

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 26, 2005, 16:51:20 ; Search time 74.9821 Seconds  
(without alignments)  
129.758 Million cell updates/sec

Title: US-10-775-481A-5

Perfect score: 19

Sequence: 1 NSSNYCCELCCNPACNGCY 19

Scoring table:  Gapop 60.0 , Gapext 60.0

Searched: 1612378 seqs, 512079187 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : UniProt\_03.\*

1: uniprot\_sprot.\*

2: uniprot\_trembl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	ID	Description
1	15	78.9	61 2 QVEG8	Qveg8 escherichia
2	15	78.9	72 1 HST2_ECOLI	Q47185 escherichia
3	15	78.9	72 1 HST3_ECOLI	P07965 escherichia
4	13	68.4	61 2 QVEG7	Qveg7 escherichia
5	11	57.9	18 2 Q7M0U3	Q7m0u3 citrobacter
6	11	57.9	61 2 QVEG9	Qveg9 escherichia
7	11	57.9	72 1 HST1_ECOLI	P01559 escherichia
8	10	52.6	72 1 HSTC_YEREN	O50319 yersinia en
9	7	36.8	18 1 HSTB_ECOLI	P01560 escherichia
10	7	36.8	248 2 QXUG6	Qxug6 caenorhabdi
11	6	31.6	15 1 CXAA_CONGE	P01519 conus geogr
12	6	31.6	17 2 QRS581	Qrs581 vibrio chol
13	6	31.6	18 2 QRS580	Qrs580 vibrio chol
14	6	31.6	19 2 QRS579	Qrs579 vibrio chol
15	6	31.6	28 2 QRS578	Qrs578 vibrio chol
16	6	31.6	64 1 CXAL_CONST	P15471 conus stria
17	6	31.6	66 1 HST_YERKR	P1518 yersinia kr
18	6	31.6	66 2 Q56643	Q56643 vibrio chol
19	6	31.6	71 1 HSTA_YEREN	P07593 yersinia en
20	6	31.6	71 1 HSTB_YEREN	P74977 yersinia en
21	6	31.6	72 1 CXA2_CONST	P28879 conus stria
22	6	31.6	78 1 HSTN_VIBCH	P04429 vibrio chol
23	6	31.6	78 1 HSTO_VIBCH	Q07425 vibrio chol
24	6	31.6	78 2 Q3GG01	Q3g01 vibrio mimi
25	6	31.6	101 2 Q900L5	Q900L5 human immun
26	6	31.6	101 2 Q673U7	Q673u7 human immun
27	6	31.6	101 2 Q6X6H8	Q6x6h8 human immun
28	6	31.6	101 2 Q8AC76	Q8ac76 human immun
29	6	31.6	101 2 Q8AF66	Q8aff6 human immun
30	6	31.6	116 2 Q9TVC0	Q9tvc0 sus scrofa
31	6	31.6	124 1 RNP_PIG	P00671 sus scrofa

32	6	31.6	128 1 RNPB_CAVPO	P00679 cavia porce
33	6	31.6	136 2 Q20041	Q20041 caenorhabdi
34	6	31.6	197 2 Q86I44	Q86i44 dictyosteli
35	6	31.6	276 2 Q96H89	Q96h89 homo sapien
36	6	31.6	381 2 Q8I4M1	Q8i4m1 caenorhabdi
37	6	31.6	408 1 FIGU_SCHPO	O13883 schizosacch
38	6	31.6	415 2 Q8CZV0	Q8czv0 yersinia pe
39	6	31.6	619 2 Q9GNI9	Q9gni9 caenorhabdi
40	6	31.6	623 2 P90533	P90533 dictyosteli
41	6	31.6	1016 2 Q7PDP5	Q7pdp5 plasmodium
42	5	26.3	29 2 Q7RXU3	Q7rxu3 neurospora
43	5	26.3	35 2 Q8KIC8	Q8kic8 mus musculu
44	5	26.3	50 2 Q7DLK5	Q7dlk5 arabidopsis
45	5	26.3	50 2 Q8XMB6	Q8xmb6 clostridium

ALIGNMENTS

RESULT 1				
Q6VEG8	ID	Q6VEG8	PRELIMINARY;	PRT; 61 AA.
AC	Q6VEG8;			
DT	05-JUL-2004	(TREMBLrel. 27, Created)		
DT	05-JUL-2004	(TREMBLrel. 27, Last sequence update)		
DT	05-JUL-2004	(TREMBLrel. 27, Last annotation update)		
DE	Heat-stable enterotoxin ST 1b (Fragment)			
OS	Escherichia coli.			
OC	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;			
OC	Enterobacteriaceae; Escherichia.			
OX	NCBI_TaxID=562;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RC	STRAIN=C4046;			
RX	PubMed=15364995;			
RA	Reischl U., Yousef M.T., Wolf H., Hyttia-Trees E., Strockbine N.A.;			
RT	"Real-time fluorescence PCR assays for detection and characterization			
RT	of heat-labile I and heat-stable I enterotoxin genes from			
RT	enterotoxigenic Escherichia coli."			
RL	J. Clin. Microbiol. 42:4092-4100(2004).			
DR	EMBL; AY342058; AAQ92975.1;			
DR	GO; GO:0005576; C:extracellular; IEA.			
DR	GO; GO:0009405; P:pathogenesis; IEA.			
DR	InterPro; IPR001489; Enterotoxin HS.			
DR	Pfam; PF02048; Enterotoxin HS; 1.			
DR	PROSITE; PS00273; ENTEROTOXIN_H_STABLE; 1.			
FT	NON TER 1			
SQ	SEQUENCE 61 AA; 6658 MW; 1D75955D7AF0DED2 CRC64;			
Query Match 78.9%; Score 15; DB 2; Length 61;				
Best Local Similarity 100.0%; Pred.No. 6.6e-10;				
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
Qy	1	NSSNYCCELCCNPAC 15		
Db	43	NSSNYCCELCCNPAC 57		
RESULT 2				
HST2_ECOLI	ID	HST2_ECOLI	STANDARD;	PRT; 72 AA.
AC	Q47185;			
DT	15-DEC-1998	(Rel. 37, Created)		
DT	15-DEC-1998	(Rel. 37, Last sequence update)		
DT	05-JUL-2004	(Rel. 44, Last annotation update)		
DE	Heat-stable enterotoxin A2 precursor (STa2).			
GN	Name=ata2;			
OS	Escherichia coli.			
OC	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;			
OC	Enterobacteriaceae; Escherichia.			
OX	NCBI_TaxID=562;			
RN	[1]			
RP	SEQUENCE FROM N.A.			

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RX MEDLINE=89108616; PubMed=2643580;
RA Guzman-Verduzio L.M., Kuperstoch Y.M.;
RT "Rectification of two Escherichia coli heat-stable enterotoxin allele
RT sequences and lack of biological effect of changing the carboxy-
RT terminal tyrosine to histidine.";
RL Infect. Immun. 57:645-648(1989).
CC -!- FUNCTION: Toxin which activates the particulate form of guanylate
CC cyclase and increases cyclic GMP levels within the host intestinal
CC epithelial cells.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the heat-stable enterotoxin family.
CC
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CC
CC EMBL; M18345; AAA23729.1; -.
DR PIR; J50292; QHECIB.
DR HSSP; P01559; IETN.
DR InterPro; IPR001489; Enterotoxin HS.
DR Pfam; PF02048; Enterotoxin HS; 1.
DR PROSITE; PS00273; ENTEROTOXIN_H_STABLE; 1.
KW Enterotoxin; Signal; Toxin.
FT SIGNAL 1 19 Potential.
FT PROPEP 20 53 By similarity.
FT PEPTIDE 54 72 Heat-stable enterotoxin A2.
FT DISULFID 59 64 By similarity.
FT DISULFID 60 68 By similarity.
FT DISULFID 63 71 By similarity.
SQ SEQUENCE 72 AA; 7895 MW; D87850306E06B260 CRC64;

Query Match 78.9%; Score 15; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 7.6e-10;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNYCCCLCCNPAC 15
DB 54 NSSNYCCCLCCNPAC 68

RESULT 3
HST3_ECOLI STANDARD; PRT; 72 AA.
AC P07965; P26588;
DT 01-AUG-1988 (Rel. 08, Created)
DT 01-AUG-1992 (Rel. 23, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Heat-stable enterotoxin A3/A4 precursor (STA3/STA4) (ST-IB) (ST-H).
GN Name=sta3; Synonyms=sta4;
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=89202548; PubMed=3071819;
RA Stieglitz H., Cervantes L., Robledo R., Fonseca R., Covarrubias L.,
RA Hollivar F., Kuperstoch Y.M.;
RT "Cloning, sequencing, and expression in Ficol-generated minicells of
RT an Escherichia coli heat-stable enterotoxin gene.";
RL Plasmid 20:42-53(1988).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=J53837-2;
RX MEDLINE=83384648; PubMed=6341230;
RA Moseley S.L., Hardy J.W., Huq M.I., Echeverria P., Falkow S.;
RT "Isolation and nucleotide sequence determination of a gene encoding a
RT heat-stable enterotoxin of Escherichia coli.";
RL Infect. Immun. 39:1167-1174(1983).

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RN RP SEQUENCE FROM N.A.
RX MEDLINE=90273381; PubMed=2190361; DOI=10.1016/0041-0101(90)90085-L;
RA Zhou X., Shen L.P., Chi C.W.;
RT "Isolation and nucleotide sequence determination of a gene encoding a
RT heat-stable enterotoxin of Escherichia coli.";
RL Toxicon 28:453-456(1990).
RN [4]
RP SEQUENCE FROM N.A.
RX MEDLINE=89108616; PubMed=2643580;
RA Guzman-Verduzio L.M., Kuperstoch Y.M.;
RT "Rectification of two Escherichia coli heat-stable enterotoxin allele
RT sequences and lack of biological effect of changing the carboxy-
RT terminal tyrosine to histidine.";
RL Infect. Immun. 57:645-648(1989).
RN [5]
RP SEQUENCE FROM N.A.
RX MEDLINE=90034194; PubMed=2680769; DOI=10.1016/0378-1119(89)90182-0;
RA Dwarakanath P., Visweswariah S.S., Subrahmanyam Y.V.B.K., Shanthi G.,
RA Jagannatha H.M., Balganesesh T.S.;
RT "Cloning and hyperexpression of a gene encoding the heat-stable toxin
RT of Escherichia coli.";
RL Gene 81:219-226(1989).
RN [6]
RP SEQUENCE OF 54-72.
RX MEDLINE=83105138; PubMed=6759126;
RA Aimoto S., Takao T., Shimonishi Y., Hara S., Takeda T., Takeda Y.,
RA Miwatani T.;
RT "Amino-acid sequence of a heat-stable enterotoxin produced by human
RT enterotoxigenic Escherichia coli.";
RL Eur. J. Biochem. 129:257-263(1982).
RN [7]
RP DISULFIDE BONDS.
RX MEDLINE=87191003; PubMed=3552731; DOI=10.1016/0014-5793(87)80134-5;
RA Shimonishi Y., Hidaka Y., Koizumi M., Hane M., Aimoto S., Takeda T.,
RA Miwatani T., Takeda Y.;
RT "Mode of disulfide bond formation of a heat-stable enterotoxin (STH)
RT produced by a human strain of enterotoxigenic Escherichia coli.";
RL FEBS Lett. 215:165-170(1987).
RN [8]
RP PROCESSING.
RX MEDLINE=90251166; PubMed=2187146;
RA Rasheed J.K., Guzman-Verduzio L.M., Kuperstoch Y.M.;
RT "Two precursors of the heat-stable enterotoxin of Escherichia coli:
RT evidence of extracellular processing.";
RL Mol. Microbiol. 4:265-273(1990).
CC -!- FUNCTION: Toxin which activates the particulate form of guanylate
CC cyclase and increases cyclic GMP levels within the host intestinal
CC epithelial cells.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- SIMILARITY: Belongs to the heat-stable enterotoxin family.
CC
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CC
CC EMBL; J03311; AAA24652.1; -.
DR EMBL; M34916; AAA23990.1; -.
DR EMBL; M18346; AAA23730.1; -.
DR EMBL; M29255; AAA24686.1; -.
DR PIR; J50292; QHECIB.
DR PIR; J50373; QHEC4.
DR HSSP; P01559; IETN.
DR InterPro; IPR001489; Enterotoxin HS.
DR Pfam; PF02048; Enterotoxin HS; 1.
DR PROSITE; PS00273; ENTEROTOXIN_H_STABLE; 1.
KW Direct protein sequencing; Enterotoxin; Signal; Toxin.
FT SIGNAL 1 19
FT PROPEP 20 53

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FT PEPTIDE 54 72 Heat-stable enterotoxin A3/A4.  
 FT DISULFID 59 64  
 FT DISULFID 60 68  
 FT DISULFID 63 71  
 FT CONFLICT 19 19 A -> P (in Ref. 2).  
 SQ SEQUENCE 72 AA; 7909 MW; 1C5C9292BFCBA6BA CRC64;

Query Match 78.9%; Score 15; DB 1; Length 72;  
 Best Local Similarity 100.0%; Pred. No. 7.6e-10;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
 |||||  
 Db 54 NSSNYCCCLCCNPAC 68

RESULT 4  
 Q6VEG7 PRELIMINARY; PRT; 61 AA.  
 ID Q6VEG7;  
 AC Q6VEG7;  
 DT 05-JUL-2004 (TrEMBLrel. 27, Created)  
 DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)  
 DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)  
 DE Heat-stable enterotoxin ST Ib (Fragment).  
 OS Escherichia coli.  
 OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;  
 OC Enterobacteriaceae; Escherichia.  
 OX NCBI\_TaxID=562;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=RS44;  
 RX PubMed=15364995;  
 RA Reischl U., Yousef M.T., Wolf H., Hyttia-Trees E., Strockbine N.A.;  
 RT "Real-time fluorescence PCR assays for detection and characterization  
 of heat-labile I and heat-stable I enterotoxin genes from  
 enterotoxigenic Escherichia coli";  
 RT J. Clin. Microbiol. 42:4092-4100(2004).  
 RL EMBL; AY342059; AAQ92976.1;  
 DR GO; GO:0005576; C:extracellular; IEA.  
 DR GO; GO:0009405; P:pathogenesis; IEA.  
 DR InterPro; IPR001489; Enterotoxin\_HS.  
 DR Pfam; PF02048; Enterotoxin\_HS.1.  
 DR PROSITE; PS00273; ENTEROTOXIN\_H\_STABLE; 1.  
 FT NON TER 1  
 SQ SEQUENCE 61 AA; 6556 MW; 89788D3FAB3DCA0A CRC64;

Query Match 68.4%; Score 13; DB 2; Length 61;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-07;  
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 SNYCCCLCCNPAC 15  
 |||||  
 Db 45 SNYCCCLCCNPAC 57

RESULT 5  
 Q7M0U3 PRELIMINARY; PRT; 18 AA.  
 ID Q7M0U3  
 AC Q7M0U3;  
 DT 01-MAR-2004 (TrEMBLrel. 26, Created)  
 DT 01-MAR-2004 (TrEMBLrel. 26, Last sequence update)  
 DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)  
 DE Heat-stable enterotoxin ST-Ia.  
 OS Citrobacter freundii.  
 OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;  
 OC Enterobacteriaceae; Citrobacter.  
 OX NCBI\_TaxID=546;  
 RN [1]  
 RP MEDLINE=89108617; PubMed=2912902;  
 RA Guarino A., Giannella R., Thompson M.R.;  
 RT "Citrobacter freundii produces an 18-amino-acid heat-stable  
 enterotoxin identical to the 18-amino-acid Escherichia coli heat-

RT stable enterotoxin (ST Ia).";  
 RL Infect. Immun. 57:649-652(1989).  
 DR PIR; A60103; A60103.  
 DR HSSP; P01559; 1ETN.  
 DR GO; GO:0005576; C:extracellular; IEA.  
 DR GO; GO:0009405; P:pathogenesis; IEA.  
 DR InterPro; IPR001489; Enterotoxin\_HS.  
 DR Pfam; PF02048; Enterotoxin\_HS.1.  
 DR PROSITE; PS00273; ENTEROTOXIN\_H\_STABLE; 1.  
 SQ SEQUENCE 18 AA; 1978 MW; D4D975F49D60064F CRC64;

Query Match 57.9%; Score 11; DB 2; Length 18;  
 Best Local Similarity 100.0%; Pred. No. 9.5e-06;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 YCCCLCCNPAC 15  
 |||||  
 Db 4 YCCCLCCNPAC 14

RESULT 6  
 Q6VEG9 PRELIMINARY; PRT; 61 AA.  
 ID Q6VEG9  
 AC Q6VEG9;  
 DT 05-JUL-2004 (TrEMBLrel. 27, Created)  
 DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)  
 DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)  
 DE Heat-stable enterotoxin ST-Ia (Fragment).  
 OS Escherichia coli.  
 OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;  
 OC Enterobacteriaceae; Escherichia.  
 OX NCBI\_TaxID=562;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=F7682;  
 RX PubMed=15364995;  
 RA Reischl U., Yousef M.T., Wolf H., Hyttia-Trees E., Strockbine N.A.;  
 RT "Real-time fluorescence PCR assays for detection and characterization  
 of heat-labile I and heat-stable I enterotoxin genes from  
 enterotoxigenic Escherichia coli";  
 RT J. Clin. Microbiol. 42:4092-4100(2004).  
 RL EMBL; AY342057; AAQ92974.1;  
 DR GO; GO:0005576; C:extracellular; IEA.  
 DR GO; GO:0009405; P:pathogenesis; IEA.  
 DR InterPro; IPR001489; Enterotoxin\_HS.  
 DR Pfam; PF02048; Enterotoxin\_HS.1.  
 FT NON TER 1  
 SQ SEQUENCE 61 AA; 6927 MW; 646D4AE2F899D957 CRC64;

Query Match 57.9%; Score 11; DB 2; Length 61;  
 Best Local Similarity 100.0%; Pred. No. 2.6e-05;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 YCCCLCCNPAC 15  
 |||||  
 Db 47 YCCCLCCNPAC 57

RESULT 7  
 HSTI\_ECOLI STANDARD; PRT; 72 AA.  
 ID HSTI\_ECOLI  
 AC P01559; Q47653;  
 DT 21-JUL-1986 (Rel. 01, Created)  
 DT 21-JUL-1986 (Rel. 01, Last sequence update)  
 DT 25-OCT-2004 (Rel. 45, Last annotation update)  
 DE Heat-stable enterotoxin ST-IA/ST-P precursor.  
 GN Name=stai;  
 OS Escherichia coli.  
 OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;  
 OC Enterobacteriaceae; Escherichia.  
 OX NCBI\_TaxID=562;  
 RN [1]  
 RP SEQUENCE FROM N.A.



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FT DISULFID 64 72 By similarity.
SQ SEQUENCE 72 AA; 7639 MW; 7C0DB3893C2F981D CRC64;

Query Match
Best Local Similarity 52.6%; Score 10; DB 1; Length 72;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CCELCNCPAC 15
Db 60 CCELCNCPAC 69

RESULT 9
HSTB_ECOLI
ID HSTB_ECOLI STANDARD; PRT; 18 AA.
AC P01560;
DT 21-JUL-1986 (Rel. 01, Created)
DT 21-JUL-1986 (Rel. 01, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Heat-stable enterotoxin ST-2 (ST-B).
OS Escherichia coli.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE.
RC STRAIN=O42:K86:H37 / 18D / ETEC;
RX MEDLINE=81264141; PubMed=7021541;
RA Chan S.-K., Giannella R.A.;
RT "Amino acid sequence of heat-stable enterotoxin produced by
Escherichia coli pathogenic for man.";
RL J. Biol. Chem. 256:7744-7746(1981).
RN [2]
RP DISULFIDE BONDS.
RX MEDLINE=87191003; PubMed=3552731; DOI=10.1016/0014-5793(87)80134-5;
RA Shimonishi Y., Hidaka Y., Koizumi M., Hane M., Almoto S., Takeda T.,
RA Miwatani T., Takeda Y.;
RT "Mode of disulfide bond formation of a heat-stable enterotoxin (StH)
produced by a human strain of enterotoxigenic Escherichia coli.";
RL FEBS Lett. 215:165-170(1987).
CC -1- FUNCTION: Toxin which activates the particulate form of guanylate
cyclase and increases cyclic GMP levels within the host intestinal
epithelial cells.
CC -1- SUBCELLULAR LOCATION: Secreted.
CC -1- SIMILARITY: Belongs to the heat-stable enterotoxin family.
DR PIR: A01823; OHEC2.
DR HSP; P01559; 1ETN.
DR InterPro: IPR001489; Enterotoxin_HS.
DR Pfam: PF02048; Enterotoxin_HS; 1.
DR PROSITE: PS00273; ENTEROTOXIN_H_STABLE; 1.
KW Direct protein sequencing; Enterotoxin; Toxin.
FT DISULFID 5 10
FT DISULFID 6 14
FT DISULFID 9 17
SQ SEQUENCE 18 AA; 1978 MW; D0C375F49D600650 CRC64;

Query Match
Best Local Similarity 36.8%; Score 7; DB 1; Length 18;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 YCCLECC 11
Db 4 YCCLECC 10

RESULT 10
Q9XUG6
ID Q9XUG6 PRELIMINARY; PRT; 248 AA.
AC Q9XUG6;
DT 01-NOV-1999 (TrEMBLrel. 12, Created)
DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Hypothetical protein C43F9.5.

```

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GN ORFNames=C43F9.5;
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditidae;
OC Rhabditidae; Peloderinae; Caenorhabditia.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2;
RX MEDLINE=99069613; PubMed=9851916;
RA none;
RT "Genome sequence of the nematode C.elegans: A platform for
investigating biology.";
RL Science 282:2012-2018(1998).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2;
RA Mortimore B.J.;
RL Submitted (NOV-1996) to the EMBL/GenBank/DBJ databases.
DR EMBL; Z82262; CAB05152.1; -.
DR PIR; T19913; T19913.
DR HSP; P01180; 1JK4.
DR WormBase; WBGene0008073; C43F9.5.
DR WormPep; C43F9.5; CE19733.
DR InterPro: IPR006150; Worm_repeat_1.
DR SMART; SM00289; WRI; 1.
KW Hypothetical protein.
SQ SEQUENCE 248 AA; 26410 MW; 07E4DF45D17BF7D CRC64;

Query Match
Best Local Similarity 36.8%; Score 7; DB 2; Length 248;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SSNYCCE 8
Db 181 SSNYCCE 187

RESULT 11
CXAA_CONGE STANDARD; PRT; 15 AA.
ID CXAA_CONGE
AC P01519;
DT 21-JUL-1986 (Rel. 01, Created)
DT 21-JUL-1986 (Rel. 01, Last sequence update)
DT 25-OCT-2004 (Rel. 45, Last annotation update)
DE Alpha-conotoxin GIA [Contains: Alpha-conotoxin GI (GI)].
OS Conus geographus (Geography cone)
OC Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
OC Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
OC Neogastropoda; Conoidea; Conidae; Conus.
OX NCBI_TaxID=6491;
RN [1]
RP SEQUENCE.
RX MEDLINE=81191854; PubMed=7014556;
RA Gray W.R., Luque F.A., Olivera B.M., Barrett J., Cruz L.J.;
RT "Peptide toxins from Conus geographus venom.";
RL J. Biol. Chem. 256:4734-4740(1981).
RN [2]
RP DISULFIDE BONDS OF GI, AND SYNTHESIS OF GI.
RX MEDLINE=83105694; PubMed=7152021; DOI=10.1016/0014-5793(82)80820-X;
RA Nishiuchi Y., Sakakibara S.;
RT "Primary and secondary structure of conotoxin GI, a neurotoxic
tridecapeptide from a marine snail.";
RL FEBS Lett. 148:260-262(1982).
RN [3]
RP DISULFIDE BONDS OF GI, AND SYNTHESIS OF GI.
RX MEDLINE=84280842; PubMed=6466616;
RA Gray W.R., Luque F.A., Galyean R., Atherton E., Sheppard R.C.,
RA Stone B.L., Reyes A., Alford J., McIntosh M., Olivera B.M., Cruz L.J.,
RA Rivier J.;
RT "Conotoxin GI: disulfide bridges, synthesis, and preparation of
iodinated derivatives.";
RL Biochemistry 23:2796-2802(1984).
RN [4]

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RP COMPARISON WITH ALPHA-CONOTOXIN SI AND ALPHA-CONOTOXIN MI.  
RX MEDLINE=95034849; PubMed=7947815;  
RA Hann R.M., Pagan O.R., Eterovic V.A.;  
RT "The alpha-conotoxins GI and MI distinguish between the nicotinic  
RL acetylcholine receptor agonist sites while SI does not.";  
RL Biochemistry 33:14058-14063(1994).  
[5]  
RP PHARMACOLOGICAL CHARACTERIZATION ON MOUSE MUSCLE-DERIVED BC3H-1 CELLS  
RX MEDLINE=95349531; PubMed=7623764;  
RA Groebe D.R., Dumm J.M., Levitan E.S., Abramson S.N.;  
RT "alpha-Conotoxins selectively inhibit one of the two acetylcholine  
RL binding sites of nicotinic receptors.";  
RL Mol. Pharmacol. 48:105-111(1995).  
[6]  
RP MUTAGENESIS OF ARG-9.  
RX MEDLINE=97317090; PubMed=9174364; DOI=10.1021/bi970195w;  
RA Groebe D.R., Gray W.R., Abramson S.N.;  
RT "Determinants involved in the affinity of alpha-conotoxins GI and SI  
RL for the muscle subtype of nicotinic acetylcholine receptors.";  
RL Biochemistry 36:6469-6474(1997).  
[7]  
RP X-RAY CRYSTALLOGRAPHY (1.2 ANGSTROMS) OF GI.  
RX MEDLINE=96378624; PubMed=8784187; DOI=10.1021/bi960820h;  
RA Guddat L.W., Martin J.A., Shan L., Edmundson A.B., Gray W.R.;  
RT "Three-dimensional structure of the alpha-conotoxin GI at 1.2-A  
RL resolution.";  
RL Biochemistry 35:11329-11335(1996).  
[8]  
RP STRUCTURE BY NMR OF GI.  
RX MEDLINE=89352562; PubMed=2765514;  
RA Kobayashi Y., Ohkubo T., Kyogoku Y., Nishiuchi Y., Sakakibara S.,  
RA Braun W., Go N.;  
RT "Solution conformation of conotoxin GI determined by 1H nuclear  
RL magnetic resonance spectroscopy and distance geometry calculations.";  
RL Biochemistry 28:4853-4860(1989).  
[9]  
RP STRUCTURE BY NMR OF GI.  
RX MEDLINE=89375269; PubMed=2775719;  
RA Pardi A., Galdes A., Florence J., Manicote D.;  
RT "Solution structures of alpha-conotoxin GI determined by two-  
RL dimensional NMR spectroscopy.";  
RL Biochemistry 28:5494-5501(1989).  
[10]  
RP STRUCTURE BY NMR OF GI.  
RX MEDLINE=98321613; PubMed=9660176;  
RA Maslennikov I.V., Sobol A.G., Gladky K.V., Lugovskoy A.A.,  
RA Ostrovsky A.G., Teetlin V.I., Ivanov V.T., Arseniev A.S.;  
RT "Two distinct structures of alpha-conotoxin GI in aqueous solution.";  
RL Eur. J. Biochem. 254:238-247(1998).  
[11]  
RP STRUCTURE BY NMR OF GI.  
RX MEDLINE=98239743; PubMed=9571060; DOI=10.1006/jmbi.1998.1701;  
RA Gehrmann J., Alewood P.F., Craik D.J.;  
RT "Structure determination of the three disulfide bond isomers of alpha-  
RL conotoxin GI: a model for the role of disulfide bonds in structural  
RT stability.";  
RL J. Mol. Biol. 278:401-415(1998).  
[12]  
RP STRUCTURE BY NMR OF AN ANTITOXIC ANALOG OF GI.  
RX MEDLINE=99438341; PubMed=10508392; DOI=10.1021/bi990558n;  
RA Mok K.H., Han K.H.;  
RT "NMR solution conformation of an antitoxic analogue of alpha-conotoxin  
RL GI: identification of a common nicotinic acetylcholine receptor  
RT alpha(1)-subunit binding surface for small ligands and alpha-  
RT conotoxins.";  
RL Biochemistry 38:11895-11904(1999).  
CC -!- FUNCTION: Alpha-conotoxins act on postsynaptic membranes, they  
CC bind to the nicotinic acetylcholine receptors (nAChR) and thus  
CC inhibit them. The higher affinity site for alpha-conotoxin GI is  
CC the alpha/delta site on mouse muscle-derived BC3H-1 receptor, and  
CC the other site (alpha/gamma site) on nicotinic receptors from  
CC Torpedo californica electric organ.

CC -!- SUBCELLULAR LOCATION: Secreted.  
CC -!- TISSUE SPECIFICITY: Expressed by the venom duct.  
CC -!- SIMILARITY: Belongs to the conotoxin A-superfamily. Alpha-type family.  
CC  
DR PIR; A01782; NTKNAG.  
DR PDB; 1NOT; X-ray; @=1-14.  
DR PDB; 1Q83; NMR; A=2-13.  
DR PDB; 1XGA; NMR; @=1-14.  
DR PDB; 1XGB; NMR; @=1-14.  
DR PDB; 1XGC; NMR; @=1-14.  
KW 3D-structure; Acetylcholine receptor inhibitor; Amidation;  
KW Direct protein sequencing; Neurotoxin; Postsynaptic neurotoxin; Toxin.  
FT PEPTIDE 1 15 Alpha-conotoxin GIA.  
FT PEPTIDE 1 13 Alpha-conotoxin GI.  
FT DISULFID 3 7  
FT MOD\_RES 13 13  
FT MOD\_RES 15 15 Cysteine amide (G-14 provides amide group) (in alpha-conotoxin GI).  
FT MOD\_RES 15 15 Lysine amide (in alpha-conotoxin GIA).  
FT MUTAGEN 9 9 R->A: Reduction in affinity for both alpha/delta and alpha/gamma sites on BC3H-1 receptors and loss of affinity for both alpha/delta and alpha/gamma sites on Torpedo receptors (in GI).  
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FT HELIX 5 10  
FT STRAND 12 12  
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DB 2 CCNPAC 7  
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AC Q9R581;  
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DT 01-MAY-2000 (TREMELrel. 13, Last sequence update)  
DT 01-JUN-2003 (TREMELrel. 24, Last annotation update)  
DE 01-ST-1, NAG-ST, VM-ST=HEAT-stable enterotoxin.  
OS Vibrio cholerae.  
OC Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;  
OC Vibrionaceae; Vibrio.  
OX NCBI\_TaxID=666;  
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RP SEQUENCE.  
RX MEDLINE=93314823; PubMed=8325391; DOI=10.1016/0014-5793(93)81766-S;  
RA Yoshino K., Miyachi M., Takao T., Bag P.K., Huang X., Nair G.B.,  
RA Takeda T., Shimonishi Y.;  
RT "Purification and sequence determination of heat-stable enterotoxin  
RT elaborated by a cholera toxin-producing strain of Vibrio cholerae  
RT O1.";  
RL FEBS Lett. 326:83-86(1993).  
DR GO; GO:0005576; C:extracellular; IEA.  
DR GO; GO:0009405; P:pathogenesis; IEA.  
DR InterPro; IPR001489; Enterotoxin\_HS.  
DR Pfam; PF02048; Enterotoxin\_HS; 1.  
DR PROSITE; PS00273; ENTEROTOXIN\_H\_STABLE; 1.  
SQ SEQUENCE 17 AA; 1821 MW; 30FF036D018D601C CRC64;  
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Best Local Similarity 100.0%; Pred. No. 5.1;  
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DB 7 CCNPAC 12

Db 9 CCNPAC 14

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 DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
 DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)  
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 OS Vibrio cholerae.  
 OC Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;  
 OC Vibrionaceae; Vibrio.  
 OX NCBI\_TaxID=666;  
 RN [1]  
 RP SEQUENCE.  
 RX MEDLINE=93314823; PubMed=8325391; DOI=10.1016/0014-5793(93)81766-S;  
 RA Yoshino K., Miyachi M., Takao T., Bag P.K., Huang X., Nair G.B.,  
 RA Takeda T., Shimonishi Y.;  
 RT "Purification and sequence determination of heat-stable enterotoxin  
 elaborated by a cholera toxin-producing strain of Vibrio cholerae  
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 RT FEMS Lett. 326:83-86(1993).  
 RL GO; GO:0005576; C:extracellular; IEA.  
 DR GO; GO:0009405; P:pathogenesis; IEA.  
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 DR Pfam; PF02048; Enterotoxin HS; 1.  
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Db 8 CCNPAC 13

RESULT 14

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 DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
 DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)  
 DE 01-ST-3-HEAT-stable enterotoxin.  
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 OC Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;  
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 RA Yoshino K., Miyachi M., Takao T., Bag P.K., Huang X., Nair G.B.,  
 RA Takeda T., Shimonishi Y.;  
 RT "Purification and sequence determination of heat-stable enterotoxin  
 elaborated by a cholera toxin-producing strain of Vibrio cholerae  
 O1,";  
 RT FEMS Lett. 326:83-86(1993).  
 RL GO; GO:0005576; C:extracellular; IEA.  
 DR GO; GO:0009405; P:pathogenesis; IEA.  
 DR InterPro; IPR001489; Enterotoxin HS.  
 DR Pfam; PF02048; Enterotoxin HS; 1.  
 DR PROSITE; PS00273; ENTEROTOXIN\_H STABLE; 1.  
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Db 18 CCNPAC 23

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Db 18 CCNPAC 23

.....uge Blank (uspio)



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OM protein - protein search, using sw model  
Run on: March 26, 2005, 17:16:51 ; Search time 251.411 Seconds  
(without alignments)  
88.270 Million cell updates/sec

Title: US-10-775-481A-2  
Perfect score: 19  
Sequence: 1 NNTFYCBLCCNPACAGCY 19

Scoring table: ~~60560363~~  
Gapex 60.0 , Gapext 60.0

Searched: 6959266 seqs, 1168006243 residues

Word size : 0

Total number of hits satisfying chosen parameters: 6959266

Minimum DB seq length: 0  
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Post-processing: listing first 45 summaries

Database : Pending Patents\_AA\_Main.\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	19	100.0	19	1	PCT-US94-12232-2	Sequence 2, Appli
3	19	100.0	19	8	US-08-468-449B-2	Sequence 2, Appli
4	19	100.0	19	16	US-09-263-477A-2	Sequence 2, Appli
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7	19	100.0	19	32	US-10-621-684-2	Sequence 2, Appli
8	19	100.0	19	33	US-10-775-481A-2	Sequence 2, Appli
9	19	100.0	72	33	US-10-766-735-20	Sequence 20, Appli
10	19	100.0	72	33	US-10-796-719-20	Sequence 20, Appli
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ALIGNMENTS

RESULT 1  
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; Sequence 2, Application PC/TUS0403765  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; APPLICANT: Pitari, Giovanni Mario  
; APPLICANT: Park, Jason  
; APPLICANT: Schulz, Stephanie  
; APPLICANT: Wolfe, Henry R.  
; APPLICANT: Lubbe, Wilhelm  
; TITLE OF INVENTION: The Use Of GCC Ligands  
; FILE REFERENCE: 08321-168 PCI  
; CURRENT APPLICATION NUMBER: PCT/US04/03765  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 60/446,730  
; PRIOR FILING DATE: 2003-02-10  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ST Ia
PCT-US04-03765-2

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Db 1 NNTFYCCELCNCPACAGY 19

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; Sequence 2, Application PC/TUS9412232
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: Compositions That Specifically
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells
; TITLE OF INVENTION: And Methods Of Using The Same
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12232
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/305,056
; FILING DATE: 13-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1360
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; TYPE: amino acids
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US94-12232-2

Query Match      100.0%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.5e-14;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NNTFYCCELCNCPACAGY 19
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; LENGTH: 19
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; FEATURE:
; OTHER INFORMATION: ST Ia
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Best Local Similarity 100.0%; Pred. No. 8.5e-14;
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Qy 1 NNTFYCCELCNCPACAGY 19
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RESULT 3
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; Sequence 2, Application US/08468449B
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same
; FILE REFERENCE: TJU-1588
; CURRENT APPLICATION NUMBER: US/08/468,449B
; CURRENT FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/141,892
; PRIOR FILING DATE: 1993-10-26
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 2
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Novel Sequence
US-08-468-449B-2

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Best Local Similarity 100.0%; Pred. No. 8.5e-14;
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RESULT 4
US-09-263-477-2
; Sequence 2, Application US/09263477
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods
; TITLE OF INVENTION: of Using the Same
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and Norris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk, 720 Kb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,477
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,892
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-0903
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-263-477-2
```

Query Match 100.0%; Score 19; DB 16; Length 19;  
Best Local Similarity 100.0%; Pred. No. 8.5e-14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 NNTFYCCCLCCNPACAGCY 19

RESULT 5  
US-09-263-477A-2  
; Sequence 2, Application US/09263477A  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and  
; Methods of Using the Same  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place, 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: WordPerfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/263,477A  
; FILING DATE: 05-Mar-1999  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/583,447A  
; FILING DATE: 05-JAN-1996  
; APPLICATION NUMBER: US 08/141,892  
; FILING DATE: 26-OCT-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DeLuca, Mark  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1702  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-263-477A-2

Query Match 100.0%; Score 19; DB 16; Length 19;  
Best Local Similarity 100.0%; Pred. No. 8.5e-14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 NNTFYCCCLCCNPACAGCY 19

RESULT 6  
US-09-724-983-2  
; Sequence 2, Application US/09724983  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same  
; FILE REFERENCE: TJU-2444  
; CURRENT APPLICATION NUMBER: US/09/724,983  
; CURRENT FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 08/468,449

; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO: 2  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-983-2

Query Match 100.0%; Score 19; DB 21; Length 19;  
Best Local Similarity 100.0%; Pred. No. 8.5e-14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 NNTFYCCCLCCNPACAGCY 19

RESULT 7  
US-10-621-684-2  
; Sequence 2, Application US/10621684  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and  
; Methods of Using the Same  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place, 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: WordPerfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/621,684  
; FILING DATE: 17-Jul-2003  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/583,447A  
; FILING DATE: 05-JAN-1996  
; APPLICATION NUMBER: US 08/141,892  
; FILING DATE: 26-OCT-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DeLuca, Mark  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1702  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-621-684-2

Query Match 100.0%; Score 19; DB 32; Length 19;  
Best Local Similarity 100.0%; Pred. No. 8.5e-14;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19  
| | | | | | | | | | | | | | | | | | | | |  
Db 1 NNTFYCCCLCCNPACAGCY 19

RESULT 8

```
US-10-775-481A-2
; Sequence 2, Application US/10775481A
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; APPLICANT: Pitari, Giovanni Mario
; APPLICANT: Park, Jason
; APPLICANT: Schulz, Stephanie
; APPLICANT: Wolfe, Henry R.
; APPLICANT: Lubbe, Wilhelm
; TITLE OF INVENTION: The Use Of GCC Ligands
; FILE REFERENCE: 08321-0168 US1
; CURRENT APPLICATION NUMBER: US/10/775,481A
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/446,730
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE:
; OTHER INFORMATION: heat stable toxin peptide Ia
US-10-775-481A-2

Query Match      100.0%; Score 19; DB 33; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.5e-14;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19
Db 1 NNTFYCCCLCCNPACAGCY 19

RESULT 9
US-10-766-735-20
; Sequence 20, Application US/10766735
; GENERAL INFORMATION:
; APPLICANT: Currie, Mark G.
; APPLICANT: Mahajan-Miklos, Shalina
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
; FILE REFERENCE: 14184-039001
; CURRENT APPLICATION NUMBER: US/10/766,735
; CURRENT FILING DATE: 2004-01-28
; PRIOR APPLICATION NUMBER: US 60/443,098
; PRIOR FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: US 60/471,288
; PRIOR FILING DATE: 2003-05-15
; PRIOR APPLICATION NUMBER: US 60/519,460
; PRIOR FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-766-735-20

Query Match      100.0%; Score 19; DB 33; Length 72;
Best Local Similarity 100.0%; Pred. No. 2.2e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19
Db 54 NNTFYCCCLCCNPACAGCY 72

US-10-775-481a-2.olig.rapm

; APPLICANT: Mahajan-Miklos, Shalina
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
; FILE REFERENCE: 14184-043001
; CURRENT APPLICATION NUMBER: US/10/796,719
; CURRENT FILING DATE: 2004-03-09
; PRIOR APPLICATION NUMBER: US 10/766,735
; PRIOR FILING DATE: 2004-01-28
; PRIOR APPLICATION NUMBER: US 60/443,098
; PRIOR FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: US 60/471,288
; PRIOR FILING DATE: 2003-05-15
; PRIOR APPLICATION NUMBER: US 60/519,460
; PRIOR FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 149
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-796-719-20

Query Match      100.0%; Score 19; DB 33; Length 72;
Best Local Similarity 100.0%; Pred. No. 2.2e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGCY 19
Db 54 NNTFYCCCLCCNPACAGCY 72

RESULT 11
PCT-US04-03765-7
; Sequence 7, Application PC/TUS0403765
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; APPLICANT: Pitari, Giovanni Mario
; APPLICANT: Park, Jason
; APPLICANT: Schulz, Stephanie
; APPLICANT: Wolfe, Henry R.
; APPLICANT: Lubbe, Wilhelm
; TITLE OF INVENTION: The Use Of GCC Ligands
; FILE REFERENCE: 08321-168 PCT
; CURRENT APPLICATION NUMBER: PCT/US04/03765
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/446,730
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: fragment
PCT-US04-03765-7

Query Match      94.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NNTFYCCCLCCNPACAGC 18
Db 1 NNTFYCCCLCCNPACAGC 18

RESULT 12
PCT-US04-03765-13
; Sequence 13, Application PC/TUS0403765
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; APPLICANT: Pitari, Giovanni Mario
; APPLICANT: Park, Jason
```

```

; APPLICANT: Schulz, Stephanie
; APPLICANT: Wolfe, Henry R.
; APPLICANT: Lubbe, Wilhelm
; TITLE OF INVENTION: The Use Of GCC Ligands
; FILE REFERENCE: 08321-168 PC1
; CURRENT APPLICATION NUMBER: PCT/US04/03765
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/446,730
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: fragment
PCT-US04-03765-13

```

```

Query Match          94.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Oy  2 NTFYCCELCNCPACGY 19
    |||||
Db  1 NTFYCCELCNCPACGY 18

```

```

RESULT 13
PCT-US04-03765-38
; Sequence 38, Application PC/TUS0403765
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; APPLICANT: Pitari, Giovanni Mario
; APPLICANT: Park, Jason
; APPLICANT: Schulz, Stephanie
; APPLICANT: Wolfe, Henry R.
; APPLICANT: Lubbe, Wilhelm
; TITLE OF INVENTION: The Use Of GCC Ligands
; FILE REFERENCE: 08321-168 PC1
; CURRENT APPLICATION NUMBER: PCT/US04/03765
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/446,730
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derivative
PCT-US04-03765-38

```

```

Query Match          94.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Oy  2 NTFYCCELCNCPACGY 19
    |||||
Db  1 NTFYCCELCNCPACGY 18

```

```

RESULT 14
PCT-US94-12232-7
; Sequence 7, Application PC/TUS9412232
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: Compositions That Specifically
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells
; TITLE OF INVENTION: And Methods Of Using The Same
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12232
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,892
; FILING DATE: 26-OCT-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/305,056
; FILING DATE: 13-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1360
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US94-12232-7

```

```

Query Match          94.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Oy  1 NNTFYCCCLCNCPACGC 18
    |||||
Db  1 NNTFYCCCLCNCPACGC 18

```

```

RESULT 15
PCT-US94-12232-13
; Sequence 13, Application PC/TUS9412232
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: Compositions That Specifically
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells
; TITLE OF INVENTION: And Methods Of Using The Same
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12232
; FILING DATE:

```

```

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,892
; FILING DATE: 26-OCT-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/305,056
; FILING DATE: 13-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Deluca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1360
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US94-12232-13

Query Match      94.7%  Score 18;  DB 1;  Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 NTFYCCCLCCNPACGY 19
      |||||
Db      1 NTFYCCCLCCNPACGY 18

```

Search completed: March 26, 2005, 17:39:59  
Job time : 252.411 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2005, 17:21:06 ; Search time 22.7321 Seconds.  
(without alignments)  
48.589 Million cell updates/sec

Title: US-10-775-481A-2

Perfect score: 19

Sequence: 1 NTFYCCCLCCNPACAGCY 19

Scoring table:  Gapop 60.0 , Gapext 60.0

Searched: 260697 seqs, 58133403 residues

Word size : 0

Total number of hits satisfying chosen parameters: 260697

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Pending Patents\_AA\_New.\*

- 1: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/paa/US08\_NEW\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/paa/US09\_NEW\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/paa/US10\_NEW\_COMB.pep.\*
- 7: /cgn2\_6/ptodata/1/paa/US11\_NEW\_COMB.pep.\*
- 8: /cgn2\_6/ptodata/1/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	94.7	18	6	US-10-934-728-24
2	6	31.6	13	5	US-09-787-082A-19
3	6	31.6	13	7	US-11-066-697-1386
4	6	31.6	13	7	US-11-066-697-1392
5	6	31.6	19	5	US-09-787-082A-23
6	6	31.6	98	6	US-10-450-763-32426
7	6	31.6	172	8	US-60-643-717-17444
8	6	31.6	309	1	PCT-US04-17965B-1363
9	6	31.6	309	1	PCT-US04-17965B-1363
10	6	31.6	5266	6	US-10-450-763-38920
11	5	26.3	28	6	US-10-467-657-8865
12	5	26.3	30	6	US-10-203-969B-22
13	5	26.3	32	6	US-10-467-657-7414
14	5	26.3	34	6	US-10-863-332A-359
15	5	26.3	36	6	US-10-472-963-760
16	5	26.3	44	6	US-10-467-657-2070
17	5	26.3	49	6	US-10-467-657-1884
18	5	26.3	54	8	US-60-655-875-131811
19	5	26.3	55	6	US-10-467-657-3322
20	5	26.3	55	6	US-10-467-657-6878
21	5	26.3	56	6	US-10-467-657-2148
22	5	26.3	63	8	US-60-655-875-155623
23	5	26.3	70	8	US-60-655-875-139258
24	5	26.3	107	6	US-10-467-657-6644
25	5	26.3	109	6	US-10-450-763-53057

Sequence 43471, A  
Sequence 1401, Ap  
Sequence 357, App  
Sequence 7130, Ap  
Sequence 6654, Ap  
Sequence 47100, A  
Sequence 54394, A  
Sequence 56816, A  
Sequence 50515, A  
Sequence 882, App  
Sequence 34148, A  
Sequence 14310, A  
Sequence 130639, A  
Sequence 46391, A  
Sequence 24, Appl  
Sequence 7128, Ap  
Sequence 250, App  
Sequence 160464, A  
Sequence 679, App  
Sequence 299, App

26 5 26.3 112 6 US-10-450-763-43471  
27 5 26.3 113 1 PCT-IB03-06509-1401  
28 5 26.3 115 6 US-10-863-332A-357  
29 5 26.3 116 6 US-10-467-657-7130  
30 5 26.3 140 6 US-10-467-657-6654  
31 5 26.3 149 6 US-10-450-763-47100  
32 5 26.3 159 6 US-10-450-763-54394  
33 5 26.3 160 6 US-10-450-763-56816  
34 5 26.3 171 6 US-10-450-763-50515  
35 5 26.3 177 6 US-10-467-657-882  
36 5 26.3 188 6 US-10-450-763-34148  
37 5 26.3 188 7 US-11-031-175-14210  
38 5 26.3 189 8 US-60-655-875-130639  
39 5 26.3 196 6 US-10-450-763-46391  
40 5 26.3 209 6 US-10-467-657-24  
41 5 26.3 209 6 US-10-467-657-7128  
42 5 26.3 215 8 US-60-643-717-250  
43 5 26.3 215 8 US-60-655-875-160464  
44 5 26.3 216 1 PCT-US04-09510-679  
45 5 26.3 226 6 US-10-755-415-299

#### ALIGNMENTS

RESULT 1  
US-10-934-728-24  
; Sequence 24, Application US/10934728  
; GENERAL INFORMATION:  
; APPLICANT: Ballou, Jean Marc  
; APPLICANT: Paul, Stephane  
; APPLICANT: Geist, Michel  
; APPLICANT: Silvestre, Nathalie  
; APPLICANT: Erbs, Philippe  
; TITLE OF INVENTION: Poxvirus With Targeted Infection Specificity  
; FILE REFERENCE: 032751-115  
; CURRENT APPLICATION NUMBER: US/10/934,728  
; PRIOR FILING DATE: 2004-09-07  
; PRIOR APPLICATION NUMBER: US 09/832,899  
; PRIOR FILING DATE: 2001-04-14  
; PRIOR APPLICATION NUMBER: US 60/246,080  
; PRIOR FILING DATE: 2000-11-07  
; PRIOR APPLICATION NUMBER: EP 0040109.7  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: EP 01440009.7  
; PRIOR FILING DATE: 2001-01-22  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Sta ligand  
US-10-934-728-24

Query Match 94.7% Score 18; DB 6; Length 18;  
Best Local Similarity 100.0%; Pred. No. 5.7e-15;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 NTFYCCCLCCNPACAGCY 19  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 NTFYCCCLCCNPACAGCY 18

RESULT 2  
US-09-787-082A-19  
; Sequence 19, Application US/09787082A  
; GENERAL INFORMATION:  
; APPLICANT: Craik, David James  
; APPLICANT: Daly, Norelle Lee  
; APPLICANT: Nielsen, Katherine Justine  
; TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES

; FILE REFERENCE: DAVI-0005  
; CURRENT APPLICATION NUMBER: US/09/787,082A  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: PCT/AU99/00769  
; PRIOR FILING DATE: 1999-09-14  
; PRIOR APPLICATION NUMBER: AU PP 5895  
; PRIOR FILING DATE: 1998-09-14  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 19  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Conus geographus  
US-09-787-082A-19

Query Match 31.6%; Score 6; DB 5; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15  
Db 2 CCNPAC 7  
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RESULT 3  
US-11-066-697-1386  
; Sequence 1386, Application US/11066697  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Milner, Peter G.  
; APPLICANT: Holmes, Darren L.  
; APPLICANT: Thibadeau, Karen  
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM  
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD  
; FILE REFERENCE: 500862002301  
; CURRENT APPLICATION NUMBER: US/11/066,697  
; CURRENT FILING DATE: 2005-02-25  
; PRIOR APPLICATION NUMBER: 09/657,276  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: 60/153,406  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: 60/159,783  
; PRIOR FILING DATE: 1999-10-15  
; NUMBER OF SEQ ID NOS: 1617  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 1386  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-11-066-697-1386

Query Match 31.6%; Score 6; DB 7; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15  
Db 2 CCNPAC 7  
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RESULT 4  
US-11-066-697-1392  
; Sequence 1392, Application US/11066697  
; GENERAL INFORMATION:  
; APPLICANT: Bridon, Dominique P.  
; APPLICANT: Ezrin, Alan M.  
; APPLICANT: Milner, Peter G.  
; APPLICANT: Holmes, Darren L.

; APPLICANT: Thibadeau, Karen  
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM  
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD  
; TITLE OF INVENTION: COMPONENTS  
; FILE REFERENCE: 500862002301  
; CURRENT APPLICATION NUMBER: US/11/066,697  
; CURRENT FILING DATE: 2005-02-25  
; PRIOR APPLICATION NUMBER: 09/657,276  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: 60/153,406  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: 60/159,783  
; PRIOR FILING DATE: 1999-10-15  
; NUMBER OF SEQ ID NOS: 1617  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1392  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-11-066-697-1392

Query Match 31.6%; Score 6; DB 7; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15  
Db 2 CCNPAC 7  
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RESULT 5  
US-09-787-082A-23  
; Sequence 23, Application US/09787082A  
; GENERAL INFORMATION:  
; APPLICANT: Craik, David James  
; APPLICANT: Daly, Norelle Lee  
; APPLICANT: Nielsen, Katherine Justine  
; TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES  
; FILE REFERENCE: DAVI-0005  
; CURRENT APPLICATION NUMBER: US/09/787,082A  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: PCT/AU99/00769  
; PRIOR FILING DATE: 1999-09-14  
; PRIOR APPLICATION NUMBER: AU PP 5895  
; PRIOR FILING DATE: 1998-09-14  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 23  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Conus striatus  
US-09-787-082A-23

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Best Local Similarity 100.0%; Pred. No. 0.68;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15  
Db 3 CCNPAC 8  
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RESULT 6  
US-10-450-763-32426  
; Sequence 32426, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIE3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763



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; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 32426
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-32426

Query Match      31.6%; Score 6; DB 6; Length 98;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 FYCCEL 9
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Db      86 FYCCEL 91

RESULT 7
US-60-643-717-17444
; Sequence 17444, Application US/60643717
; GENERAL INFORMATION:
; APPLICANT: Abad, Mark S.
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; FILE REFERENCE: 38-21(53629)A
; CURRENT APPLICATION NUMBER: US/60/643,717
; CURRENT FILING DATE: 2005-01-12
; NUMBER OF SEQ ID NOS: 19247
; SEQ ID NO 17444
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(172)
; OTHER INFORMATION: unsure at all Xaa locations
US-60-643-717-17444

Query Match      31.6%; Score 6; DB 8; Length 172;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 NPACAG 17
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Db      14 NPACAG 19

RESULT 8
PCT-US04-17965-1363
; Sequence 1363, Application PC/TUS0417965
; GENERAL INFORMATION:
; APPLICANT: ARBORGEN, LLC
; APPLICANT: BLOKSBERG, LEONARD N.
; APPLICANT: BRYANT, CATHERINE
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: FROST, MICHAEL J.
; APPLICANT: FORSTER, RICHARD LLEWELLYN SYDNEY
; APPLICANT: GRIGOR, MURRAY
; APPLICANT: HIGGINS, COLLEEN
; APPLICANT: LASHAM, ANNETTE
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: PHILLIPS, JONATHAN
; APPLICANT: PUTHIGAE, SATHIAH
; APPLICANT: VEERAKONE, STELLA
; APPLICANT: WESTWOOD, CLAIRE
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; APPLICANT: GAUSE, KATRINA
; APPLICANT: WOOD, MARION
; APPLICANT: ROTTMAN, WILLIAM
; APPLICANT: HAVUKKALA, ILKKA
; TITLE OF INVENTION: TRANSCRIPTION FACTORS
; FILE REFERENCE: 044463-0296
; CURRENT APPLICATION NUMBER: PCT/US04/17965
; CURRENT FILING DATE: 2004-06-07
; PRIOR APPLICATION NUMBER: 60/476,189
; PRIOR FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3679
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 1363
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Pinus radiata
PCT-US04-17965-1363

Query Match      31.6%; Score 6; DB 1; Length 309;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CELCCN 12
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Db      9 CELCCN 14

RESULT 9
PCT-US04-17965B-1363
; Sequence 1363, Application PC/TUS0417965B
; GENERAL INFORMATION:
; APPLICANT: ARBORGEN, LLC
; APPLICANT: BLOKSBERG, LEONARD N.
; APPLICANT: BRYANT, CATHERINE
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: FROST, MICHAEL J.
; APPLICANT: FORSTER, RICHARD LLEWELLYN SYDNEY
; APPLICANT: GRIGOR, MURRAY
; APPLICANT: HIGGINS, COLLEEN
; APPLICANT: LASHAM, ANNETTE
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: PHILLIPS, JONATHAN
; APPLICANT: PUTHIGAE, SATHIAH
; APPLICANT: VEERAKONE, STELLA
; APPLICANT: WESTWOOD, CLAIRE
; APPLICANT: GAUSE, KATRINA
; APPLICANT: WOOD, MARION
; APPLICANT: ROTTMAN, WILLIAM
; APPLICANT: HAVUKKALA, ILKKA
; TITLE OF INVENTION: TRANSCRIPTION FACTORS
; FILE REFERENCE: 044463-0296
; CURRENT APPLICATION NUMBER: PCT/US04/17965B
; CURRENT FILING DATE: 2004-06-07
; PRIOR APPLICATION NUMBER: 60/476,189
; PRIOR FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3679
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 1363
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Pinus radiata
PCT-US04-17965B-1363

Query Match      31.6%; Score 6; DB 1; Length 309;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CELCCN 12
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Db      9 CELCCN 14
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RESULT 10  
US-10-450-763-38920  
; Sequence 38920, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 38920  
; LENGTH: 5266  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (4839)..(4849)  
; OTHER INFORMATION: w KINASE ALPHA ADHESION T-CELL domain identified by eMATRIX,  
; OTHER INFORMATION: accession number DM00179, p-value=1.000e-10, raw score of 13.97  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (628)..(5251)  
; OTHER INFORMATION: Immunoglobulin domain identified by Pfam, accession name ig,  
; OTHER INFORMATION: E-value=1.4e-114, Pfam score of 374.2  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(5266)  
; OTHER INFORMATION: Xaa = X or \* as defined in Table 2  
US-10-450-763-38920

Query Match 31.6%; Score 6; DB 6; Length 5266;  
Best Local Similarity 100.0%; Pred.No. 69;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 PACAGC 18  
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DB 2214 PACAGC 2219

RESULT 11  
US-10-467-657-8865  
; Sequence 8865, Application US/10467657  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON Spa  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 8865  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-8865

Query Match 26.3%; Score 5; DB 6; Length 28;  
Best Local Similarity 100.0%; Pred.No. 14;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 PACAG 17  
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DB 2 PACAG 6  
RESULT 12  
US-10-203-969B-22  
; Sequence 22, Application US/10203969B  
; GENERAL INFORMATION:  
; APPLICANT: SLOOTSTRA, JELLE W.  
; APPLICANT: DIJK VAN, EVERT  
; APPLICANT: PUIJK, WOUTER C.  
; TITLE OF INVENTION: SEGMENT SYNTHESIS  
; FILE REFERENCE: 2004-1007  
; CURRENT APPLICATION NUMBER: US/10/203,969B  
; CURRENT FILING DATE: 2002-11-25  
; PRIOR APPLICATION NUMBER: PCT/NL01/00131  
; PRIOR FILING DATE: 2002-08-16  
; PRIOR APPLICATION NUMBER: EP 00200536.1  
; PRIOR FILING DATE: 2000-02-16  
; NUMBER OF SEQ ID NOS: 668  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO 22  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: hFSH derived  
; OTHER INFORMATION: peptide  
; NAME/KEY: THIOETH  
; LOCATION: (15)..(16)  
US-10-203-969B-22

Query Match 26.3%; Score 5; DB 6; Length 30;  
Best Local Similarity 100.0%; Pred.No. 15;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 CAGCY 19  
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DB 12 CAGCY 16

RESULT 13  
US-10-467-657-7414  
; Sequence 7414, Application US/10467657  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON Spa  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 7414  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-7414

Query Match 26.3%; Score 5; DB 6; Length 32;  
Best Local Similarity 100.0%; Pred.No. 16;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 PACAG 17  
| | | | |

Db 21 PACAG 25

## RESULT 14

US-10-863-332A-359  
; Sequence 359, Application US/10863332A  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 143 Human Secreted Proteins  
; FILE REFERENCE: PSS00P1  
; CURRENT APPLICATION NUMBER: US/10/863,332A  
; CURRENT FILING DATE: 2004-06-09  
; PRIOR APPLICATION NUMBER: US/09/986,480  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: PCT/US00/12788  
; PRIOR FILING DATE: 2000-05-11  
; PRIOR APPLICATION NUMBER: US 60/134,068  
; PRIOR FILING DATE: 1999-05-13  
; NUMBER OF SEQ ID NOS: 456  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 359  
; LENGTH: 34  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-863-332A-359

Query Match 26.3%; Score 5; DB 6; Length 34;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TFYCC 7  
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Db 5 TFYCC 9

## RESULT 15

US-10-472-963-760  
; Sequence 760, Application US/10472963  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; TITLE OF INVENTION: Human Secreted Proteins  
; FILE REFERENCE: PS954PCT  
; CURRENT APPLICATION NUMBER: US/10/472,963  
; CURRENT FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: PCT/US02/09370  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: US 60/278,650  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 09/950,082  
; PRIOR FILING DATE: 2001-09-12  
; PRIOR APPLICATION NUMBER: US 09/950,083  
; PRIOR FILING DATE: 2001-09-12  
; NUMBER OF SEQ ID NOS: 1834  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 760  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-472-963-760

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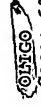
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SUMMARIES

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1	18	100.0	18	1	PCT-US01-41759A-289	Sequence 289, Appl
2	18	100.0	18	1	PCT-US03-39164A-93	Sequence 93, Appl
3	18	100.0	18	1	PCT-US04-03765-3	Sequence 3, Appl
4	18	100.0	18	1	PCT-US04-05047-80	Sequence 80, Appl
5	18	100.0	18	1	PCT-US94-12232-3	Sequence 3, Appl
6	18	100.0	18	8	US-08-468-449B-3	Sequence 3, Appl
7	18	100.0	18	16	US-09-263-477-3	Sequence 3, Appl
8	18	100.0	18	16	US-09-263-477A-3	Sequence 3, Appl
9	18	100.0	18	21	US-09-724-983-3	Sequence 3, Appl
10	18	100.0	18	24	US-09-930-915A-289	Sequence 289, Appl
11	18	100.0	18	26	US-10-082-014-79	Sequence 79, Appl
12	18	100.0	18	29	US-10-372-076-80	Sequence 80, Appl
13	18	100.0	18	32	US-10-621-684-3	Sequence 3, Appl
14	18	100.0	18	32	US-10-677-074-80	Sequence 80, Appl
15	18	100.0	18	33	US-10-732-862A-93	Sequence 93, Appl
16	18	100.0	18	33	US-10-766-735-3	Sequence 3, Appl
17	18	100.0	18	33	US-10-775-481A-3	Sequence 3, Appl
18	18	100.0	18	33	US-10-796-719-3	Sequence 3, Appl
19	18	100.0	18	34	US-10-805-913-289	Sequence 289, Appl
20	18	100.0	18	34	US-10-806-006-289	Sequence 289, Appl
21	17	94.4	17	1	PCT-US04-03765-23	Sequence 23, Appl
22	17	94.4	17	1	PCT-US94-12232-18	Sequence 18, Appl
23	17	94.4	17	1	PCT-US94-12232-23	Sequence 23, Appl
24	17	94.4	17	8	US-08-468-449B-18	Sequence 18, Appl
25	17	94.4	17	8	US-08-468-449B-23	Sequence 23, Appl
26	17	94.4	17	16	US-09-263-477-18	Sequence 18, Appl
27	17	94.4	17	16	US-09-263-477A-18	Sequence 18, Appl
28	17	94.4	17	16	US-09-263-477A-23	Sequence 23, Appl
29	17	94.4	17	16	US-09-263-477A-23	Sequence 23, Appl
30	17	94.4	17	21	US-09-724-983-18	Sequence 18, Appl
31	17	94.4	17	21	US-09-724-983-23	Sequence 23, Appl
32	17	94.4	17	32	US-10-621-684-18	Sequence 18, Appl
33	17	94.4	17	32	US-10-621-684-23	Sequence 23, Appl
34	17	94.4	17	33	US-10-775-481A-23	Sequence 23, Appl
35	16	88.9	16	1	PCT-US04-03765-19	Sequence 19, Appl
36	16	88.9	16	1	PCT-US04-03765-24	Sequence 24, Appl
37	16	88.9	16	1	PCT-US94-12232-19	Sequence 19, Appl
38	16	88.9	16	1	PCT-US94-12232-24	Sequence 24, Appl
39	16	88.9	16	8	US-08-468-449B-19	Sequence 19, Appl
40	16	88.9	16	8	US-08-468-449B-24	Sequence 24, Appl
41	16	88.9	16	16	US-09-263-477-19	Sequence 19, Appl
42	16	88.9	16	16	US-09-263-477A-19	Sequence 19, Appl
43	16	88.9	16	16	US-09-263-477A-24	Sequence 24, Appl
44	16	88.9	16	16	US-09-263-477A-24	Sequence 24, Appl
45	16	88.9	16	21	US-09-724-983-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1  
PCT-US01-41759A-289  
; Sequence 289, Application PC/TUS0141759A  
; GENERAL INFORMATION:  
; APPLICANT: Birkett, Ashley J.  
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED STABILITY  
; FILE REFERENCE: 4564/83501 ICC-102.2 PCT  
; CURRENT APPLICATION NUMBER: PCT/US01/41759A  
; CURRENT FILING DATE: 2001-08-16  
; PRIOR FILING DATE: 2001-08-16  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR FILING DATE: 2000-08-16  
; PRIOR FILING DATE: 2000-08-16  
; PRIOR FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 313  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 289

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Escherichia coli
PCT-US01-41759A-289

Query Match      100.0%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 2
PCT-US03-39164A-93
; Sequence 93, Application PC/TUS0339164A
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, BIRKETT J.
; APPLICANT: LYONS, Katelynne J.
; APPLICANT: Jay, Haron J.
; TITLE OF INVENTION: STABILIZED IMMUNOGENIC HBC CHIMER PARTICLES
; FILE REFERENCE: ICC-136.0PCT (4564-91156)
; CURRENT APPLICATION NUMBER: PCT/US03/39164A
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: US 60/432,123
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: PCT/US03/05196
; PRIOR FILING DATE: 2003-02-20
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Escherichia coli
PCT-US03-39164A-93

Query Match      100.0%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 3
PCT-US04-03765-3
; Sequence 3, Application PC/TUS0403765
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; APPLICANT: Pitari, Giovanni Mario
; APPLICANT: Park, Jason
; APPLICANT: Schulz, Stephanie
; APPLICANT: Wolfe, Henry R.
; APPLICANT: Lubbe, Wilhelm
; TITLE OF INVENTION: The Use Of GCC Ligands
; FILE REFERENCE: 08321-168 PCT
; CURRENT APPLICATION NUMBER: PCT/US04/03765
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 60/446,730
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ST 1*
PCT-US04-03765-3

Query Match      100.0%; Score 18; DB 1; Length 18;

; LENGTH: 18
; TYPE: PRT
; ORGANISM: Escherichia coli
PCT-US01-41759A-289

Query Match      100.0%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 4
PCT-US04-05047-80
; Sequence 80, Application PC/TUS0405047
; GENERAL INFORMATION:
; APPLICANT: Page, Mark
; APPLICANT: Friede, Martin
; APPLICANT: Schmidt, Annette Elisabeth
; APPLICANT: Stober, Detlef
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; TITLE OF INVENTION: CHRONIC HEPATITIS
; FILE REFERENCE: 4564/91569
; CURRENT APPLICATION NUMBER: PCT/US04/05047
; CURRENT FILING DATE: 2004-02-20
; PRIOR APPLICATION NUMBER: 10/677,074
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: 10/372,076
; PRIOR FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 80
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Escherichia coli
PCT-US04-05047-80

Query Match      100.0%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 5
PCT-US94-12232-3
; Sequence 3, Application PC/TUS9412232
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: Compositions That Specifically
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells
; TITLE OF INVENTION: And Methods Of Using The Same
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/12232
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,892
; FILING DATE: 26-OCT-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
```

APPLICATION NUMBER: 08/305,056  
FILING DATE: 13-SEP-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-1360  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US94-12232-3

Query Match 100.0%; Score 18; DB 1; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18  
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 6  
US-08-468-449B-3  
Sequence 3, Application US/08468449B  
GENERAL INFORMATION:  
APPLICANT: Waldman, Scott A.  
TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same  
FILE REFERENCE: TJU-1588  
CURRENT APPLICATION NUMBER: US/08/468,449B  
CURRENT FILING DATE: 1995-06-06  
PRIOR APPLICATION NUMBER: 08/141,892  
PRIOR FILING DATE: 1993-10-26  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3  
LENGTH: 18  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Novel Sequence  
US-08-468-449B-3

Query Match 100.0%; Score 18; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18  
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 7  
US-08-263-477-3  
Sequence 3, Application US/09263477  
GENERAL INFORMATION:  
APPLICANT: Waldman, Scott A.  
TITLE OF INVENTION: ST Receptor Binding Compounds and Methods  
TITLE OF INVENTION: Of Using the Same  
NUMBER OF SEQUENCES: 54  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and Norris  
STREET: One Liberty Place - 46th Floor  
CITY: Philadelphia  
STATE: Pennsylvania  
COUNTRY: U.S.A.  
ZIP: 19103  
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch disk, 720 Kb  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,477  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/141,892  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-0903  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-263-477-3

Query Match 100.0%; Score 18; DB 16; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCCYPACAGCN 18  
Db 1 NTFYCCCLCCYPACAGCN 18

RESULT 8  
US-09-263-477A-3  
Sequence 3, Application US/09263477A  
GENERAL INFORMATION:  
APPLICANT: Waldman, Scott A.  
TITLE OF INVENTION: ST Receptor Binding Compounds and  
METHODS OF USING THE SAME  
NUMBER OF SEQUENCES: 56  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
STREET: One Liberty Place, 46th Floor  
CITY: Philadelphia  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,477A  
FILING DATE: 05-Mar-1999  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,447A  
FILING DATE: 05-JAN-1996  
APPLICATION NUMBER: US 08/141,892  
FILING DATE: 26-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-1702  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:

; LENGTH: 18 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-263-477A-3

Query Match 100.0%; Score 18; DB 16; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NTFYCCELCCYPACAGCN 18  
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Db 1 NTFYCCELCCYPACAGCN 18

RESULT 9  
US-09-724-983-3  
; Sequence 3, Application US/09724983  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same  
; FILE REFERENCE: TJU-2444  
; CURRENT APPLICATION NUMBER: US/09/724,983  
; CURRENT FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 08/468,449  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-983-3

Query Match 100.0%; Score 18; DB 21; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NTFYCCELCCYPACAGCN 18  
| | | | | | | | | | | | | | | | | |  
Db 1 NTFYCCELCCYPACAGCN 18

RESULT 10  
US-09-930-915A-289  
; Sequence 289, Application US/09930915A  
; GENERAL INFORMATION:  
; APPLICANT: Birkett, Ashley J.  
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED  
; FILE REFERENCE: 4564/83501 ICC-102.2 PCT  
; CURRENT APPLICATION NUMBER: US/09/930,915A  
; CURRENT FILING DATE: 2001-08-15  
; PRIOR APPLICATION NUMBER: 60/226,867  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR APPLICATION NUMBER: 60/225,843  
; PRIOR FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 313  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 289  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-09-930-915A-289

Query Match 100.0%; Score 18; DB 24; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NTFYCCELCCYPACAGCN 18  
| | | | | | | | | | | | | | | | | |  
Db 1 NTFYCCELCCYPACAGCN 18

RESULT 11  
US-10-082-014-79  
; Sequence 79, Application US/10082014  
; GENERAL INFORMATION:  
; APPLICANT: Birkett, Ashley J.  
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CYC  
; FILE REFERENCE: ICC-130.0 4564/85124  
; CURRENT APPLICATION NUMBER: US/10/082,014  
; CURRENT FILING DATE: 2002-02-22  
; PRIOR APPLICATION NUMBER: 09/930,915  
; PRIOR FILING DATE: 2001-08-15  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 79  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-082-014-79

Query Match 100.0%; Score 18; DB 26; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NTFYCCELCCYPACAGCN 18  
| | | | | | | | | | | | | | | | | |  
Db 1 NTFYCCELCCYPACAGCN 18

RESULT 12  
US-10-372-076-80  
; Sequence 80, Application US/10372076  
; GENERAL INFORMATION:  
; APPLICANT: Friede, Martin  
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
; FILE REFERENCE: 4564/87179  
; CURRENT APPLICATION NUMBER: US/10/372,076  
; CURRENT FILING DATE: 2003-02-21  
; PRIOR APPLICATION NUMBER: 10/080,299  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/082,014  
; PRIOR FILING DATE: 2002-02-22  
; NUMBER OF SEQ ID NOS: 308  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 80  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-372-076-80

Query Match 100.0%; Score 18; DB 29; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NTFYCCELCCYPACAGCN 18  
| | | | | | | | | | | | | | | | | |  
Db 1 NTFYCCELCCYPACAGCN 18

RESULT 13  
US-10-621-684-3  
; Sequence 3, Application US/10621684  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place, 46th Floor



CITY: Philadelphia  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19103  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/621,684  
FILING DATE: 17-Jul-2003  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,447A  
FILING DATE: 05-JAN-1996  
APPLICATION NUMBER: US 08/141,892  
FILING DATE: 26-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-1702  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-10-621-684-3

Query Match 100.0%; Score 18; DB 32; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCELCCYPACAGCN 18  
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Db 1 NTFYCCELCCYPACAGCN 18  
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RESULT 14  
US-10-677-074-80  
; Sequence 80, Application US/10677074  
; GENERAL INFORMATION:  
; APPLICANT: Page, Mark  
; APPLICANT: Friede, Martin  
; APPLICANT: Schmidt, Annette Elisabeth  
; APPLICANT: Stober, Detlef  
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
; FILE REFERENCE: 4564/87179  
; CURRENT APPLICATION NUMBER: US/10/677,074  
; CURRENT FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: 10/372,076  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/080,299  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: 10/082,014  
; PRIOR FILING DATE: 2002-02-22  
; NUMBER OF SEQ ID NOS: 308  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 80  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-677-074-80

Query Match 100.0%; Score 18; DB 32; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCELCCYPACAGCN 18  
|||  
Db 1 NTFYCCELCCYPACAGCN 18  
|||

RESULT 15  
US-10-732-862A-93  
; Sequence 93, Application US/10732862A  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, BIRKETT J.  
; APPLICANT: Lyons, Katelynne J.  
; APPLICANT: Jay, Haron J.  
; TITLE OF INVENTION: STABILIZED IMMUNOGENIC HBC CHIMER PARTICLES  
; FILE REFERENCE: ICC-136.0 (4564-8881)  
; CURRENT APPLICATION NUMBER: US/10/732,862A  
; CURRENT FILING DATE: 2003-12-10  
; PRIOR APPLICATION NUMBER: US 60/432,123  
; PRIOR FILING DATE: 2002-12-10  
; PRIOR APPLICATION NUMBER: US 10/274,616  
; PRIOR FILING DATE: 2002-10-21  
; PRIOR APPLICATION NUMBER: US 10/080,299  
; PRIOR FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: US 10/082,014  
; PRIOR FILING DATE: 2002-02-22  
; NUMBER OF SEQ ID NOS: 455  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 93  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-732-862A-93

Query Match 100.0%; Score 18; DB 33; Length 18;  
Best Local Similarity 100.0%; Pred. No. 8.7e-13;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCELCCYPACAGCN 18  
|||  
Db 1 NTFYCCELCCYPACAGCN 18  
|||

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Job time : 238.179 secs

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OM protein - protein search, using sw model

Run on: March 26, 2005, 17:21:06 ; Search time 21.5357 Seconds  
(without alignments)  
48.589 Million cell updates/sec

Title: US-10-775-481A-3

Perfect score: 18

Sequence: 1 NTFYCCCLCCYPACAGCN 18

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- 8: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	10	55.6	18	6	US-10-934-728-24
2	6	33.3	98	6	US-10-450-763-32426
3	6	33.3	271	8	US-60-655-875-126636
4	6	33.3	401	8	US-60-655-875-131018
5	6	33.3	5266	6	US-10-450-763-38920
6	5	27.8	28	6	US-10-467-657-8865
7	5	27.8	32	6	US-10-467-657-7414
8	5	27.8	34	6	US-10-863-332A-359
9	5	27.8	36	6	US-10-472-963-760
10	5	27.8	44	6	US-10-467-657-2070
11	5	27.8	46	7	US-11-032-232-34
12	5	27.8	49	6	US-10-467-657-1884
13	5	27.8	55	6	US-10-467-657-3322
14	5	27.8	56	6	US-10-467-657-6878
15	5	27.8	56	6	US-10-467-657-2148
16	5	27.8	76	1	PCT-US05-02996-105
17	5	27.8	76	7	US-11-046-644-105
18	5	27.8	107	6	US-10-467-657-6644
19	5	27.8	109	6	US-10-450-763-53057
20	5	27.8	112	6	US-10-450-763-43471
21	5	27.8	113	1	PCT-IB03-06509-1401
22	5	27.8	115	6	US-10-863-332A-357
23	5	27.8	116	6	US-10-467-657-7130
24	5	27.8	120	1	PCT-US05-02996-91
25	5	27.8	120	7	US-11-046-644-91

26	5	27.8	129	6	US-10-450-763-32415	Sequence 32415, A
27	5	27.8	140	6	US-10-467-657-6654	Sequence 6654, Ap
28	5	27.8	144	1	PCT-US05-02996-101	Sequence 101, App
29	5	27.8	144	7	US-11-046-644-101	Sequence 101, App
30	5	27.8	149	6	US-10-450-763-47100	Sequence 47100, A
31	5	27.8	150	1	PCT-US05-02996-93	Sequence 93, Appl
32	5	27.8	150	7	US-11-046-644-93	Sequence 93, Appl
33	5	27.8	159	6	US-10-450-763-54394	Sequence 54394, A
34	5	27.8	160	6	US-10-450-763-56816	Sequence 56816, A
35	5	27.8	168	7	US-11-031-175-12167	Sequence 12167, A
36	5	27.8	172	8	US-60-643-717-17444	Sequence 17444, A
37	5	27.8	177	6	US-10-467-657-882	Sequence 882, App
38	5	27.8	180	1	PCT-US05-02996-95	Sequence 95, Appl
39	5	27.8	180	7	US-11-046-644-95	Sequence 95, Appl
40	5	27.8	188	6	US-10-450-763-34148	Sequence 34148, A
41	5	27.8	188	7	US-11-031-175-14210	Sequence 14210, A
42	5	27.8	196	6	US-10-450-763-46391	Sequence 46391, A
43	5	27.8	205	1	PCT-US05-02996-99	Sequence 99, Appl
44	5	27.8	205	7	US-11-046-644-99	Sequence 99, Appl
45	5	27.8	209	6	US-10-467-657-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1  
US-10-934-728-24  
; Sequence 24, Application US/10934728  
; GENERAL INFORMATION:  
; APPLICANT: Balloul, Jean Marc  
; APPLICANT: Paul, Stephane  
; APPLICANT: Geist, Michel  
; APPLICANT: Silvestre, Nathalie  
; APPLICANT: Erba, Philippe  
; TITLE OF INVENTION: Poxvirus With Targeted Infection Specificity  
; FILE REFERENCE: 032751-115  
; CURRENT APPLICATION NUMBER: US/10/934,728  
; PRIOR FILING DATE: 2004-09-07  
; PRIOR APPLICATION NUMBER: US 09/832,899  
; PRIOR FILING DATE: 2001-04-14  
; PRIOR APPLICATION NUMBER: US 60/246,080  
; PRIOR FILING DATE: 2000-11-07  
; PRIOR APPLICATION NUMBER: EP 0040109.7  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: EP 01440009.7  
; PRIOR FILING DATE: 2001-01-22  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Sta ligand

Query Match 55.6%; Score 10; DB 6; Length 18;  
Best Local Similarity 100.0%; Pred. No. 9.6e-06;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NTFYCCCLCC 10  
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Db 1 NTFYCCCLCC 10

RESULT 2  
US-10-450-763-32426  
; Sequence 32426, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763

; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 32426  
; LENGTH: 98  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-32426

Query Match 33.3%; Score 6; DB 6; Length 98;  
Best Local Similarity 100.0%; Pred. No. 2.1;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 FYCCEL 8  
| | | | |  
DB 86 FYCCEL 91

RESULT 3  
US-60-655-875-126636  
; Sequence 126636, Application US/60655875  
; GENERAL INFORMATION:  
; APPLICANT: Boukharov, Andrey  
; APPLICANT: Du, Zijing  
; APPLICANT: Guo, Liang  
; APPLICANT: Kovalic, David  
; APPLICANT: Lu, Maolong  
; APPLICANT: McCarter, James  
; APPLICANT: Miller, Nancy  
; APPLICANT: Williams, Deryck  
; APPLICANT: Vaudin, Mark  
; APPLICANT: Wu, Wei  
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS  
; FILE REFERENCE: 38-21(53885)  
; CURRENT APPLICATION NUMBER: US/60/655,875  
; CURRENT FILING DATE: 2005-02-24  
; NUMBER OF SEQ ID NOS: 171306  
; SEQ ID NO 126636  
; LENGTH: 271  
; TYPE: PRT  
; ORGANISM: Heterodera glycines  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (218)..(218)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
; FEATURE:  
; OTHER INFORMATION: Coding regions on vcdna: vcdna=SeqID\_53059; Strand=-; Position=1  
; OTHER INFORMATION: -196,376-550,579-988  
; FEATURE:  
; OTHER INFORMATION: Homolog annotation: Hit ID=CAB68611.1; Match level="QueryCoverage  
; OTHER INFORMATION: =87%, HitCoverage=42%, E-value=4e-43, Identity=41%", Hit descrip  
; OTHER INFORMATION: =Hypothetical protein CBG14494 [Caenorhabditis briggsae]  
; OTHER INFORMATION: emb[CAB68611.1] Hypothetical protein CBG14492 [Cae  
US-60-655-875-126636

Query Match 33.3%; Score 6; DB 8; Length 271;  
Best Local Similarity 100.0%; Pred. No. 4.7;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 ACACGN 18  
| | | | |  
DB 33 ACACGN 38

RESULT 4  
US-60-655-875-131018

; Sequence 131018, Application US/60655875  
; GENERAL INFORMATION:  
; APPLICANT: Boukharov, Andrey  
; APPLICANT: Du, Zijing  
; APPLICANT: Guo, Liang  
; APPLICANT: Kovalic, David  
; APPLICANT: Lu, Maolong  
; APPLICANT: McCarter, James  
; APPLICANT: Miller, Nancy  
; APPLICANT: Williams, Deryck  
; APPLICANT: Vaudin, Mark  
; APPLICANT: Wu, Wei  
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS  
; FILE REFERENCE: 38-21(53885)  
; CURRENT APPLICATION NUMBER: US/60/655,875  
; CURRENT FILING DATE: 2005-02-24  
; NUMBER OF SEQ ID NOS: 171306  
; SEQ ID NO 131018  
; LENGTH: 401  
; TYPE: PRT  
; ORGANISM: Heterodera glycines  
; FEATURE:  
; OTHER INFORMATION: Coding regions on vcdna: vcdna=SeqID\_57441; Strand=+; Position=1  
; OTHER INFORMATION: -67,116-189,251-503,570-664,716-850,920-1144,1260-1365,1458-1549  
; FEATURE:  
; OTHER INFORMATION: Homolog annotation: Hit ID=NP\_508783.1; Match level="QueryCoverage  
; OTHER INFORMATION: =89%, HitCoverage=56%, E-value=6e-98, Identity=53%", Hit descrip  
; OTHER INFORMATION: =Ammonium Transporter homolog (61.1 kD) (amt-4) [Caenorhabditis  
; OTHER INFORMATION: elegans] gb|AAA96190.2| Ammonium transport  
US-60-655-875-131018

Query Match 33.3%; Score 6; DB 8; Length 401;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 ACACGN 18  
| | | | |  
DB 333 ACACGN 338

RESULT 5  
US-10-450-763-38920  
; Sequence 38920, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hysq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 38920  
; LENGTH: 5266  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (4839)..(4849)  
; OTHER INFORMATION: w KINASE ALPHA ADHESION T-CELL domain identified by eMATRIX,  
; OTHER INFORMATION: accession number DM00179, p-value=1.000e-10, raw score of 13.97  
; FEATURE:  
; NAME/KEY: DOMAIN  
; LOCATION: (628)..(5251)  
; OTHER INFORMATION: Immunoglobulin domain identified by Pfam, accession name ig,  
; OTHER INFORMATION: E-value=1.4e-114, Pfam score of 374.2  
; FEATURE:

; NAME/KEY: misc\_feature  
; LOCATION: (1)...(5266)  
; OTHER INFORMATION: Xaa = X or \* as defined in Table 2  
US-10-450-763-38920

Query Match 33.3%; Score 6; DB 6; Length 5266;  
Best Local Similarity 100.0%; Pred. No. 51;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PACAGC 17  
Db 2214 PACAGC 2219

RESULT 6  
US-10-467-657-8865  
; Sequence 865, Application US/10467657  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 8865  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-8865

Query Match 27.8%; Score 5; DB 6; Length 28;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PACAGC 16  
Db 2 PACAGC 6

RESULT 7  
US-10-467-657-7414  
; Sequence 7414, Application US/10467657  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 7414  
; LENGTH: 32  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-7414

Query Match 27.8%; Score 5; DB 6; Length 32;  
Best Local Similarity 100.0%; Pred. No. 13;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PACAGC 16  
Db 21 PACAGC 25

RESULT 8  
US-10-863-332A-359  
; Sequence 359, Application US/10863332A  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 143 Human Secreted Proteins  
; FILE REFERENCE: P550021  
; CURRENT APPLICATION NUMBER: US/10/863,332A  
; CURRENT FILING DATE: 2004-06-09  
; PRIOR APPLICATION NUMBER: US/09/986,480  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: PCT/US00/12788  
; PRIOR FILING DATE: 2000-05-11  
; PRIOR APPLICATION NUMBER: US 60/134,068  
; PRIOR FILING DATE: 1999-05-13  
; NUMBER OF SEQ ID NOS: 456  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 359  
; LENGTH: 34  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-863-332A-359

Query Match 27.8%; Score 5; DB 6; Length 34;  
Best Local Similarity 100.0%; Pred. No. 14;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TFYCC 6  
Db 5 TFYCC 9

RESULT 9  
US-10-472-963-760  
; Sequence 760, Application US/10472963  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; TITLE OF INVENTION: Human Secreted Proteins  
; FILE REFERENCE: P5954PCT  
; CURRENT APPLICATION NUMBER: US/10/472,963  
; CURRENT FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: PCT/US02/09370  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: US 60/278,650  
; PRIOR FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 09/950,082  
; PRIOR FILING DATE: 2001-09-12  
; PRIOR APPLICATION NUMBER: US 09/950,083  
; PRIOR FILING DATE: 2001-09-12  
; NUMBER OF SEQ ID NOS: 1834  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 760  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-472-963-760

Query Match 27.8%; Score 5; DB 6; Length 36;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 ACAGC 17  
Db 8 ACAGC 12

RESULT 10  
US-10-467-657-2070

Sequence 2070, Application US/10467657  
 GENERAL INFORMATION:  
 APPLICANT: CHIRON SpA  
 APPLICANT: FONTANA Maria Rita  
 APPLICANT: PIZZA Mariagrazia  
 APPLICANT: MASIGNANI Vega  
 APPLICANT: MONACI Elisabetta  
 TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/467,657  
 CURRENT FILING DATE: 2003-08-11  
 PRIOR APPLICATION NUMBER: GB-0103424.8  
 PRIOR FILING DATE: 2001-02-12  
 NUMBER OF SEQ ID NOS: 9218  
 SOFTWARE: SeqWin99, version 1.04  
 SEQ ID NO 2070  
 LENGTH: 44  
 TYPE: PRT  
 ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-2070

Query Match 27.8%; Score 5; DB 6; Length 44;  
 Best Local Similarity 100.0%; Pred. No. 17;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 12 PACAG 16  
 Db 32 PACAG 36  
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RESULT 11  
 US-11-032-232-34  
 Sequence 34, Application US/11032232  
 GENERAL INFORMATION:  
 APPLICANT: KOPCHIK, Joseph, John  
 APPLICANT: Ohio University  
 TITLE OF INVENTION: GROWTH HORMONE-REGULATABLE LIVER GENES AND PROTEINS,  
 FILE REFERENCE: KOPCHIK-4A  
 CURRENT APPLICATION NUMBER: US/11/032,232  
 CURRENT FILING DATE: 2005-01-11  
 PRIOR APPLICATION NUMBER: US/09/959,716  
 PRIOR FILING DATE: 2001-11-05  
 PRIOR APPLICATION NUMBER: PCT/US00/12366  
 PRIOR FILING DATE: 2000-05-05  
 PRIOR APPLICATION NUMBER: 60/132,663  
 PRIOR FILING DATE: 1999-05-05  
 NUMBER OF SEQ ID NOS: 53  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 34  
 LENGTH: 46  
 TYPE: PRT  
 ORGANISM: Mouse  
 US-11-032-232-34

Query Match 27.8%; Score 5; DB 7; Length 46;  
 Best Local Similarity 100.0%; Pred. No. 18;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 11 YPACA 15  
 Db 32 YPACA 36  
 |||||

RESULT 12  
 US-10-467-657-1884  
 Sequence 1884, Application US/10467657  
 GENERAL INFORMATION:  
 APPLICANT: CHIRON SpA  
 APPLICANT: FONTANA Maria Rita  
 APPLICANT: PIZZA Mariagrazia  
 APPLICANT: MASIGNANI Vega  
 APPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/467,657  
 CURRENT FILING DATE: 2003-08-11  
 PRIOR APPLICATION NUMBER: GB-0103424.8  
 PRIOR FILING DATE: 2001-02-12  
 NUMBER OF SEQ ID NOS: 9218  
 SOFTWARE: SeqWin99, version 1.04  
 SEQ ID NO 1884  
 LENGTH: 49  
 TYPE: PRT  
 ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-1884

Query Match 27.8%; Score 5; DB 6; Length 49;  
 Best Local Similarity 100.0%; Pred. No. 19;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 12 PACAG 16  
 Db 6 PACAG 10  
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RESULT 13  
 US-10-467-657-3322  
 Sequence 3322, Application US/10467657  
 GENERAL INFORMATION:  
 APPLICANT: CHIRON SpA  
 APPLICANT: FONTANA Maria Rita  
 APPLICANT: PIZZA Mariagrazia  
 APPLICANT: MASIGNANI Vega  
 APPLICANT: MONACI Elisabetta  
 TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/467,657  
 CURRENT FILING DATE: 2003-08-11  
 PRIOR APPLICATION NUMBER: GB-0103424.8  
 PRIOR FILING DATE: 2001-02-12  
 NUMBER OF SEQ ID NOS: 9218  
 SOFTWARE: SeqWin99, version 1.04  
 SEQ ID NO 3322  
 LENGTH: 55  
 TYPE: PRT  
 ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-3322

Query Match 27.8%; Score 5; DB 6; Length 55;  
 Best Local Similarity 100.0%; Pred. No. 20;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 12 PACAG 16  
 Db 39 PACAG 43  
 |||||

RESULT 14  
 US-10-467-657-6878  
 Sequence 6878, Application US/10467657  
 GENERAL INFORMATION:  
 APPLICANT: CHIRON SpA  
 APPLICANT: FONTANA Maria Rita  
 APPLICANT: PIZZA Mariagrazia  
 APPLICANT: MASIGNANI Vega  
 APPLICANT: MONACI Elisabetta  
 TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/467,657  
 CURRENT FILING DATE: 2003-08-11  
 PRIOR APPLICATION NUMBER: GB-0103424.8  
 PRIOR FILING DATE: 2001-02-12  
 NUMBER OF SEQ ID NOS: 9218  
 SOFTWARE: SeqWin99, version 1.04  
 SEQ ID NO 6878

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; LENGTH: 55
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6878

Query Match      27.8%; Score 5; DB 6; Length 55;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PACAG 16
Db      39 PACAG 43

RESULT 15
US-10-467-657-2148
; Sequence 2148, Application US/10467657
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2148
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2148

Query Match      27.8%; Score 5; DB 6; Length 56;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PACAG 16
Db      6 PACAG 10


Search completed: March 26, 2005, 17:41:18
Job time : 21.5357 secs
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OM protein - protein search, using sw model  
Run on: March 26, 2005, 17:16:51 ; Search time 251.411 Seconds  
(without alignments)  
88.270 Million cell updates/sec

Title: US-10-775-481A-5  
Perfect score: 19  
Sequence: 1 NSSNYCCLCNACNGCY 19  
Scoring table:  Gapop 60.0 , Gapext 60.0  
Searched: 6959266 seqs, 116806243 residues  
Word size : 0  
Total number of hits satisfying chosen parameters: 6959266

Minimum DB seq length: 0  
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Database : Pending Patents\_AA Main:\*

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4: /cgn2\_6/ptodata/1/paa/US080\_COMB.pep.\*  
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31: /cgn2\_6/ptodata/1/paa/US105\_COMB.pep.\*  
32: /cgn2\_6/ptodata/1/paa/US106\_COMB.pep.\*  
33: /cgn2\_6/ptodata/1/paa/US107\_COMB.pep.\*  
34: /cgn2\_6/ptodata/1/paa/US108\_COMB.pep.\*  
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36: /cgn2\_6/ptodata/1/paa/US110\_COMB.pep.\*  
37: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	19	100.0	19	1	PCT-US04-03765-5	Sequence 5, Appli
2	19	100.0	19	1	PCT-US94-12232-5	Sequence 5, Appli
3	19	100.0	19	8	US-08-468-449B-5	Sequence 5, Appli
4	19	100.0	19	16	US-09-263-477-5	Sequence 5, Appli
5	19	100.0	19	16	US-09-263-477A-5	Sequence 5, Appli
6	19	100.0	19	21	US-09-724-983-5	Sequence 5, Appli
7	19	100.0	19	32	US-10-621-684-5	Sequence 5, Appli
8	19	100.0	19	33	US-10-775-481A-5	Sequence 5, Appli
9	15	78.9	18	1	PCT-US04-03765-27	Sequence 27, Appli
10	15	78.9	18	1	PCT-US94-12232-27	Sequence 27, Appli
11	15	78.9	18	8	US-08-468-449B-27	Sequence 27, Appli
12	15	78.9	18	16	US-09-263-477-27	Sequence 27, Appli
13	15	78.9	18	16	US-09-263-477A-27	Sequence 27, Appli
14	15	78.9	18	21	US-09-724-983-27	Sequence 27, Appli
15	15	78.9	18	32	US-10-621-684-27	Sequence 27, Appli
16	15	78.9	18	33	US-10-775-481A-27	Sequence 27, Appli
17	15	78.9	19	1	PCT-US02-09551-23	Sequence 23, Appli
18	15	78.9	19	4	US-08-085-126-20	Sequence 20, Appli
19	15	78.9	19	7	US-08-342-241A-31	Sequence 31, Appli
20	15	78.9	19	8	US-08-438-114-20	Sequence 20, Appli
21	15	78.9	19	16	US-09-291-520-31	Sequence 31, Appli
22	15	78.9	19	16	US-09-291-520-31	Sequence 31, Appli
23	15	78.9	19	19	US-09-525-715-2	Sequence 2, Appli
24	15	78.9	19	27	US-10-107-814-23	Sequence 23, Appli
25	15	78.9	19	29	US-10-371-966-1	Sequence 1, Appli
26	15	78.9	19	29	US-10-371-966-2	Sequence 2, Appli
27	15	78.9	19	30	US-10-479-606-7	Sequence 7, Appli
28	15	78.9	19	33	US-10-766-735-1	Sequence 1, Appli
29	15	78.9	19	33	US-10-766-735-26	Sequence 26, Appli
30	15	78.9	19	33	US-10-766-735-27	Sequence 27, Appli
31	15	78.9	19	33	US-10-796-719-1	Sequence 1, Appli
32	15	78.9	19	33	US-10-796-719-26	Sequence 26, Appli
33	15	78.9	19	33	US-10-796-719-27	Sequence 27, Appli
34	15	78.9	21	33	US-10-766-735-39	Sequence 39, Appli
35	15	78.9	21	33	US-10-766-735-40	Sequence 40, Appli
36	15	78.9	21	33	US-10-796-719-39	Sequence 39, Appli
37	15	78.9	21	33	US-10-796-719-40	Sequence 40, Appli
38	15	78.9	72	33	US-10-766-735-21	Sequence 21, Appli
39	15	78.9	72	33	US-10-796-719-21	Sequence 21, Appli
40	14	73.7	17	1	PCT-US04-03765-28	Sequence 28, Appli
41	14	73.7	17	1	PCT-US94-12232-28	Sequence 28, Appli
42	14	73.7	17	8	US-08-468-449B-28	Sequence 28, Appli
43	14	73.7	17	16	US-09-263-477-28	Sequence 28, Appli
44	14	73.7	17	16	US-09-263-477A-28	Sequence 28, Appli
45	14	73.7	17	21	US-09-724-983-28	Sequence 28, Appli

ALIGNMENTS

RESULT 1  
PCT-US04-03765-5  
; Sequence 5, Application PC/TUS0403765  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; APPLICANT: Pitari, Giovanni Mario  
; APPLICANT: Park, Jason  
; APPLICANT: Schulz, Stephanie  
; APPLICANT: Wolfe, Henry R.  
; APPLICANT: Lubbe, Wilhelm  
; TITLE OF INVENTION: The Use Of GCC Ligands  
; FILE REFERENCE: 08321-168 PCI  
; CURRENT APPLICATION NUMBER: PCT/US04/03765  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 60/446,730  
; PRIOR FILING DATE: 2003-02-10  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5

;  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: ST Ib  
PCT-US04-03765-5

Query Match 100.0%; Score 19; DB 1; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5.8e-13;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNYCCELCNCPACNGCY 19  
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Db 1 NSSNYCCELCNCPACNGCY 19  
|||||

## RESULT 2

PCT-US94-12232-5

; Sequence 5, Application PC/TUS9412232  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: Compositions That Specifically  
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells  
; TITLE OF INVENTION: And Methods Of Using The Same  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: Norris  
; STREET: One Liberty Place, 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19103

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.0  
CURRENT APPLICATION NUMBER: PCT/US94/12232  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/141,892  
FILING DATE: 26-OCT-1993

CLASSIFICATION:  
APPLICATION NUMBER: 08/305,056  
FILING DATE: 13-SEP-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-1360  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 19 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US94-12232-5

Query Match 100.0%; Score 19; DB 1; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5.8e-13;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNYCCELCNCPACNGCY 19  
|||||  
Db 1 NSSNYCCELCNCPACNGCY 19  
|||||

## RESULT 3

US-08-468-449B-5  
; Sequence 5, Application US/08468449B  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same  
; FILE REFERENCE: TJU-1588  
; CURRENT APPLICATION NUMBER: US/08/468,449B  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: 08/141,892  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Novel Sequence  
US-08-468-449B-5

Query Match 100.0%; Score 19; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5.8e-13;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNYCCELCNCPACNGCY 19  
|||||

Db 1 NSSNYCCELCNCPACNGCY 19  
|||||

## RESULT 4

US-09-263-477-5

; Sequence 5, Application US/09263477  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods  
; TITLE OF INVENTION: of Using the Same  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and Norris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: U.S.A.  
; ZIP: 19103

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch disk, 720 Kb  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,477  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/141,892  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Deluca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-0903  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 19 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-263-477-5

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Query Match      100.0%; Score 19; DB 16; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NSSNYCCCLCCNPACNGCY 19
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Db      1 NSSNYCCCLCCNPACNGCY 19
      |||||

RESULT 5
US-09-263-477A-5
; Sequence 5, Application US/09263477A
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds and
; Methods of Using the Same
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,477A
; FILING DATE: 05-Mar-1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,447A
; FILING DATE: 05-JAN-1996
; APPLICATION NUMBER: US 08/141,892
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1702
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-263-477A-5

Query Match      100.0%; Score 19; DB 16; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NSSNYCCCLCCNPACNGCY 19
      |||||
Db      1 NSSNYCCCLCCNPACNGCY 19
      |||||

RESULT 6
US-09-724-983-5
; Sequence 5, Application US/09724983
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same
; FILE REFERENCE: TJU-2444
; CURRENT APPLICATION NUMBER: US/09/724,983
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 08/468,449
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; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-983-5

Query Match      100.0%; Score 19; DB 21; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NSSNYCCCLCCNPACNGCY 19
      |||||
Db      1 NSSNYCCCLCCNPACNGCY 19
      |||||

RESULT 7
US-10-621-684-5
; Sequence 5, Application US/10621684
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds and
; Methods of Using the Same
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/621,684
; FILING DATE: 17-Jul-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,447A
; FILING DATE: 05-JAN-1996
; APPLICATION NUMBER: US 08/141,892
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1702
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-621-684-5

Query Match      100.0%; Score 19; DB 32; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 NSSNYCCCLCCNPACNGCY 19
      |||||
Db      1 NSSNYCCCLCCNPACNGCY 19
      |||||

RESULT 8
)
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US-10-775-481A-5  
; Sequence 5, Application US/10775481A  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; APPLICANT: Pitari, Giovanni Mario  
; APPLICANT: Park, Jason  
; APPLICANT: Schulz, Stephanie  
; APPLICANT: Wolfe, Henry R.  
; APPLICANT: Lubbe, Wilhelm  
; TITLE OF INVENTION: The Use Of GCC Ligands  
; FILE REFERENCE: 08321-0168 US1  
; CURRENT APPLICATION NUMBER: US/10/775.481A  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 60/446,730  
; PRIOR FILING DATE: 2003-02-10  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: heat stable toxin peptide 1b  
US-10-775-481A-5

Query Match 100.0%; Score 19; DB 33; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5.8e-13;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPACNGCY 19  
Db 1 NSSNYCCCLCCNPACNGCY 19

RESULT 9  
PCT-US04-03765-27  
; Sequence 27, Application PC/TUS0403765  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; APPLICANT: Pitari, Giovanni Mario  
; APPLICANT: Park, Jason  
; APPLICANT: Schulz, Stephanie  
; APPLICANT: Wolfe, Henry R.  
; APPLICANT: Lubbe, Wilhelm  
; TITLE OF INVENTION: The Use Of GCC Ligands  
; FILE REFERENCE: 08321-168 PC1  
; CURRENT APPLICATION NUMBER: PCT/US04/03765  
; CURRENT FILING DATE: 2004-02-10  
; PRIOR APPLICATION NUMBER: US 60/446,730  
; PRIOR FILING DATE: 2003-02-10  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 27  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: fragment  
PCT-US04-03765-27

Query Match 78.9%; Score 15; DB 1; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 10  
PCT-US94-12232-27  
; Sequence 27, Application PC/TUS9412232  
; GENERAL INFORMATION:

; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: Compositions That Specifically  
; TITLE OF INVENTION: Bind To Colorectal Cancer Cells  
; TITLE OF INVENTION: And Methods Of Using The Same  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &  
; ADDRESSEE: Norris  
; STREET: One Liberty Place, 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WordPerfect 5.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/12232  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/141,892  
; FILING DATE: 26-OCT-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/305,056  
; FILING DATE: 13-SEP-1994  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Deluca, Mark  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1360  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US94-12232-27

Query Match 78.9%; Score 15; DB 1; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 11  
US-08-468-449B-27  
; Sequence 27, Application US/08468449B  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same  
; FILE REFERENCE: TJU-1588  
; CURRENT APPLICATION NUMBER: US/08/468,449B  
; CURRENT FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: 08/141,892  
; PRIOR FILING DATE: 1993-10-26  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Novel Sequence

US-08-468-449B-27

Query Match 78.9%; Score 15; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
| | | | | | | | | | | | | | | | | |  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 12

US-09-263-477-27  
; Sequence 27, Application US/09263477  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods  
; TITLE OF INVENTION: of Using the Same  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Woodcock Washburn Kurtz Mackiewicz and Norris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: Pennsylvania  
; COUNTRY: U.S.A.  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch disk, 720 Kb  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/263,477  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/141,892  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DeLuca, Mark  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-0903  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-263-477-27

Query Match 78.9%; Score 15; DB 16; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
| | | | | | | | | | | | | | | | | |  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 13

US-09-263-477A-27  
; Sequence 27, Application US/09263477A  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and  
; TITLE OF INVENTION: Methods of Using the Same  
; NUMBER OF SEQUENCES: 56  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Woodcock Washburn Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place, 46th Floor

CITY: Philadelphia  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows  
SOFTWARE: Wordperfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,477A  
FILING DATE: 05-Mar-1999  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,447A  
FILING DATE: 05-JAN-1996  
APPLICATION NUMBER: US 08/141,892  
FILING DATE: 26-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: DeLuca, Mark  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-1702  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-09-263-477A-27

Query Match 78.9%; Score 15; DB 16; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
| | | | | | | | | | | | | | | | | |  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 14

US-09-724-983-27  
; Sequence 27, Application US/09724983  
; GENERAL INFORMATION:  
; APPLICANT: Waldman, Scott A.  
; TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same  
; FILE REFERENCE: TJU-2444  
; CURRENT APPLICATION NUMBER: US/09/724,983  
; CURRENT FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: 08/468,449  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 27  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-983-27

Query Match 78.9%; Score 15; DB 21; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.2e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NSSNYCCCLCCNPAC 15  
| | | | | | | | | | | | | | | | | |  
Db 1 NSSNYCCCLCCNPAC 15

RESULT 15

US-10-621-684-27

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; Sequence 27, Application US/10621684
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: St Receptor Binding Compounds and
; Methods of Using the Same
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
; STREET: One Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/621,684
; FILING DATE: 17-Jul-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,447A
; FILING DATE: 05-JAN-1996
; APPLICATION NUMBER: US 08/141,892
; FILING DATE: 26-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1702
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-10-621-684-27
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Query Match 78.9%; Score 15; DB 32; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNYCCCLCCNPAC 15
Db 1 NSSNYCCCLCCNPAC 15
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Search completed: March 26, 2005, 17:39:59  
Job time : 251.411 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	11	57.9	18	6	US-10-934-728-24		Sequence 24, Appl
2	6	31.6	13	5	US-09-787-082A-19		Sequence 19, Appl
3	6	31.6	13	5	US-11-066-697-1386		Sequence 1386, Ap
4	6	31.6	13	7	US-11-066-697-1392		Sequence 1392, Ap
5	6	31.6	19	5	US-09-787-082A-23		Sequence 23, Appl
6	6	31.6	272	8	US-60-655-875-132874		Sequence 132874,
7	6	31.6	309	1	PCR-US04-17965B-1363		Sequence 1363, Ap
8	6	31.6	309	1	PCR-US04-17965B-1363		Sequence 1363, Ap
9	5	26.3	82	6	US-10-450-763-50676		Sequence 50676, A
10	5	26.3	95	6	US-10-450-763-36938		Sequence 36938, A
11	5	26.3	98	6	US-10-450-763-32426		Sequence 32426, A
12	5	26.3	123	8	US-60-655-875-167744		Sequence 167744,
13	5	26.3	132	8	US-60-655-875-134194		Sequence 134194,
14	5	26.3	146	7	US-11-027-399-3795		Sequence 3795, Ap
15	5	26.3	146	7	US-11-027-843-3795		Sequence 3795, Ap
16	5	26.3	146	7	US-11-027-878-3795		Sequence 3795, Ap
17	5	26.3	146	7	US-11-028-169-3795		Sequence 3795, Ap
18	5	26.3	146	7	US-11-028-204-3795		Sequence 3795, Ap
19	5	26.3	146	7	US-11-027-877-3795		Sequence 3795, Ap
20	5	26.3	146	7	US-11-027-879-3795		Sequence 3795, Ap
21	5	26.3	146	7	US-11-028-149-3795		Sequence 3795, Ap
22	5	26.3	146	7	US-11-027-802-3795		Sequence 3795, Ap
23	5	26.3	146	7	US-11-027-890-3795		Sequence 3795, Ap
24	5	26.3	146	7	US-11-027-892-3795		Sequence 3795, Ap
25	5	26.3	146	7	US-11-028-099-3795		Sequence 3795, Ap

```

; FILE REFERENCE: DAVI-0005
; CURRENT APPLICATION NUMBER: US/09/787,082A
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: PCT/AU99/00769
; PRIOR FILING DATE: 1999-09-14
; PRIOR APPLICATION NUMBER: AU PP 5895
; PRIOR FILING DATE: 1998-09-14
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 19
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Conus geographus
US-09-787-082A-19

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Query Match          31.6%; Score 6; DB 5; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15
Db 2 CCNPAC 7

```

```

RESULT 3
US-11-066-697-1386
; Sequence 1386, Application US/11066697
; GENERAL INFORMATION:
; APPLICANT: Bridon, Dominique P.
; APPLICANT: Ezrin, Alan M.
; APPLICANT: Milner, Peter G.
; APPLICANT: Holmes, Darren L.
; APPLICANT: Thibaudau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; FILE REFERENCE: 500862002301
; CURRENT APPLICATION NUMBER: US/11/066,697
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: 09/657,276
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1386
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-11-066-697-1386

```

```

Query Match          31.6%; Score 6; DB 7; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15
Db 2 CCNPAC 7

```

```

RESULT 4
US-11-066-697-1392
; Sequence 1392, Application US/11066697
; GENERAL INFORMATION:
; APPLICANT: Bridon, Dominique P.
; APPLICANT: Ezrin, Alan M.
; APPLICANT: Milner, Peter G.
; APPLICANT: Holmes, Darren L.

```

```

; APPLICANT: Thibaudau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; FILE REFERENCE: 500862002301
; CURRENT APPLICATION NUMBER: US/11/066,697
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: 09/657,276
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1392
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-11-066-697-1392

```

```

Query Match          31.6%; Score 6; DB 7; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.9;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15
Db 2 CCNPAC 7

```

```

RESULT 5
US-09-787-082A-23
; Sequence 23, Application US/09787082A
; GENERAL INFORMATION:
; APPLICANT: Craik, David James
; APPLICANT: Daly, Norelle Lee
; APPLICANT: Nielsen, Katherine Justine
; TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES
; FILE REFERENCE: DAVI-0005
; CURRENT APPLICATION NUMBER: US/09/787,082A
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: PCT/AU99/00769
; PRIOR FILING DATE: 1999-09-14
; PRIOR APPLICATION NUMBER: AU PP 5895
; PRIOR FILING DATE: 1998-09-14
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 23
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Conus striatus
US-09-787-082A-23

```

```

Query Match          31.6%; Score 6; DB 5; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 CCNPAC 15
Db 3 CCNPAC 8

```

```

RESULT 6
US-60-655-875-132874
; Sequence 132874, Application US/60655875
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey
; APPLICANT: Du, Zijing
; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David

```



APPLICANT: Lu, Maolong  
APPLICANT: McCarter, James  
APPLICANT: Miller, Nancy  
APPLICANT: Williams, Deryck  
APPLICANT: Vaudin, Mark  
APPLICANT: Wu, Wei  
TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS  
FILE REFERENCE: 38-21(53885)  
CURRENT APPLICATION NUMBER: US/60/655,875  
CURRENT FILING DATE: 2005-02-24  
NUMBER OF SEQ ID NOS: 171306  
SEQ ID NO 132874  
LENGTH: 272  
TYPE: PRT  
ORGANISM: Heterodera glycines  
FEATURE:  
OTHER INFORMATION: Coding regions on vcdna: vcdna=SeqID\_59297; Strand=-; Position=1  
OTHER INFORMATION: -569,3452-3711  
FEATURE:  
OTHER INFORMATION: Homolog annotation: Hit ID=XP\_311331.1; Match level="QueryCoverage=99%, HitCoverage=100%, E-value=9e-43, Identity=41%", Hit description: ENSANGP0000001657 [Anopheles gambiae]  
US-60-655-875-132874

Query Match 31.6%; Score 6; DB 8; Length 272;  
Best Local Similarity 100.0%; Pred. No. 10;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SSNYCC 7  
Db 208 SSNYCC 213

RESULT 7  
PCT-US04-17965-1363  
Sequence 1363, Application PC/TUS0417965  
GENERAL INFORMATION:  
APPLICANT: ARBORG, LLC  
APPLICANT: BLOKSBERG, LEONARD N.  
APPLICANT: BRYANT, CATHERINE  
APPLICANT: CONNETT, MARIE B.  
APPLICANT: EMERSON, SARAH JANE  
APPLICANT: FROST, MICHAEL J.  
APPLICANT: FORSTER, RICHARD LLEWELLYN SYDNEY  
APPLICANT: GRIGOR, MURRAY  
APPLICANT: HIGGINS, COLLEEN  
APPLICANT: LUND, STEVEN TROY  
APPLICANT: MAGUSIN, ANDREAS  
APPLICANT: PHILLIPS, JONATHAN  
APPLICANT: PUTHIGAE, SATHIAH  
APPLICANT: VEERAKONE, STELLA  
APPLICANT: WESTWOOD, CLAIRE  
APPLICANT: GAUSE, KATRINA  
APPLICANT: WOOD, MARION  
APPLICANT: ROTTMAN, WILLIAM  
APPLICANT: HAVUKKALA, ILKKA  
TITLE OF INVENTION: TRANSCRIPTION FACTORS  
FILE REFERENCE: 044463-0296  
CURRENT APPLICATION NUMBER: PCT/US04/17965  
CURRENT FILING DATE: 2004-06-07  
PRIOR FILING DATE: 2004-06-07  
PRIOR FILING DATE: 60/476,189  
NUMBER OF SEQ ID NOS: 3679  
SOFTWARE: PatentIn Ver. 3.2  
SEQ ID NO 1363  
LENGTH: 309  
TYPE: PRT  
ORGANISM: Pinus radiata  
PCT-US04-17965-1363

Query Match 31.6%; Score 6; DB 1; Length 309;

Best Local Similarity 100.0%; Pred. No. 11;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 7 CELCCN 12  
Db 9 CELCCN 14

RESULT 8  
PCT-US04-17965B-1363  
Sequence 1363, Application PC/TUS0417965B  
GENERAL INFORMATION:  
APPLICANT: ARBORG, LLC  
APPLICANT: BLOKSBERG, LEONARD N.  
APPLICANT: BRYANT, CATHERINE  
APPLICANT: CONNETT, MARIE B.  
APPLICANT: EMERSON, SARAH JANE  
APPLICANT: FROST, MICHAEL J.  
APPLICANT: FORSTER, RICHARD LLEWELLYN SYDNEY  
APPLICANT: GRIGOR, MURRAY  
APPLICANT: HIGGINS, COLLEEN  
APPLICANT: LASHAM, ANNETTE  
APPLICANT: LUND, STEVEN TROY  
APPLICANT: MAGUSIN, ANDREAS  
APPLICANT: PHILLIPS, JONATHAN  
APPLICANT: PUTHIGAE, SATHIAH  
APPLICANT: VEERAKONE, STELLA  
APPLICANT: WESTWOOD, CLAIRE  
APPLICANT: GAUSE, KATRINA  
APPLICANT: WOOD, MARION  
APPLICANT: ROTTMAN, WILLIAM  
APPLICANT: HAVUKKALA, ILKKA  
TITLE OF INVENTION: TRANSCRIPTION FACTORS  
FILE REFERENCE: 044463-0296  
CURRENT APPLICATION NUMBER: PCT/US04/17965B  
CURRENT FILING DATE: 2004-06-07  
PRIOR FILING DATE: 60/476,189  
NUMBER OF SEQ ID NOS: 3679  
SOFTWARE: PatentIn Ver. 3.2  
SEQ ID NO 1363  
LENGTH: 309  
TYPE: PRT  
ORGANISM: Pinus radiata  
PCT-US04-17965B-1363

Query Match 31.6%; Score 6; DB 1; Length 309;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CELCCN 12  
Db 9 CELCCN 14

RESULT 9  
US-10-450-763-50676  
Sequence 50676, Application US/10450763  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc  
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
FILE REFERENCE: 790CIP3/US  
CURRENT APPLICATION NUMBER: US/10/450,763  
CURRENT FILING DATE: 2003-06-11  
PRIOR FILING DATE: 2003-06-11  
PRIOR FILING DATE: 2001-03-30  
PRIOR FILING DATE: 09/540,217  
PRIOR FILING DATE: 2000-03-31  
PRIOR FILING DATE: 09/649,167  
PRIOR FILING DATE: 2000-08-23  
NUMBER OF SEQ ID NOS: 60736  
SOFTWARE: Custom  
SEQ ID NO 50676

; LENGTH: 82  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-50676

Query Match 26.3%; Score 5; DB 6; Length 82;  
Best Local Similarity 100.0%; Pred. No. 52;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 PACNG 17  
DB 33 PACNG 37

RESULT 10  
US-10-450-763-36938  
; Sequence 36938, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; PRIOR FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 36938  
; LENGTH: 95  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-36938

Query Match 26.3%; Score 5; DB 6; Length 95;  
Best Local Similarity 100.0%; Pred. No. 58;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNY 5  
DB 13 NSSNY 17

RESULT 11  
US-10-450-763-32426  
; Sequence 32426, Application US/10450763  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 32426  
; LENGTH: 98  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-32426

Query Match 26.3%; Score 5; DB 6; Length 98;  
Best Local Similarity 100.0%; Pred. No. 60;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 YCCEL 9  
DB 87 YCCEL 91

RESULT 12  
US-60-655-875-167744  
; Sequence 167744, Application US/60655875  
; GENERAL INFORMATION:  
; APPLICANT: Boukharov, Andrey  
; APPLICANT: Du, Zijing  
; APPLICANT: Guo, Liang  
; APPLICANT: Kovalic, David  
; APPLICANT: Lu, Maolong  
; APPLICANT: McCarter, James  
; APPLICANT: Miller, Nancy  
; APPLICANT: Williams, Deryck  
; APPLICANT: Vaudin, Mark  
; APPLICANT: Wu, Wei  
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS  
; FILE REFERENCE: 38-21(53885)  
; CURRENT APPLICATION NUMBER: US/60/655,875  
; CURRENT FILING DATE: 2005-02-24  
; NUMBER OF SEQ ID NOS: 171306  
; SEQ ID NO 167744  
; LENGTH: 123  
; TYPE: PRT  
; ORGANISM: Heterodera glycines  
; FEATURE:  
; OTHER INFORMATION: Coding regions on vcdna: vcdna=seqID\_94167; Strand=+; Position=2;  
US-60-655-875-167744

Query Match 26.3%; Score 5; DB 8; Length 123;  
Best Local Similarity 100.0%; Pred. No. 72;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NSSNY 5  
DB 72 NSSNY 76

RESULT 13  
US-60-655-875-134194  
; Sequence 134194, Application US/60655875  
; GENERAL INFORMATION:  
; APPLICANT: Boukharov, Andrey  
; APPLICANT: Du, Zijing  
; APPLICANT: Guo, Liang  
; APPLICANT: Kovalic, David  
; APPLICANT: Lu, Maolong  
; APPLICANT: McCarter, James  
; APPLICANT: Miller, Nancy  
; APPLICANT: Williams, Deryck  
; APPLICANT: Vaudin, Mark  
; APPLICANT: Wu, Wei  
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS  
; FILE REFERENCE: 38-21(53885)  
; CURRENT APPLICATION NUMBER: US/60/655,875  
; CURRENT FILING DATE: 2005-02-24  
; NUMBER OF SEQ ID NOS: 171306  
; SEQ ID NO 134194  
; LENGTH: 132  
; TYPE: PRT  
; ORGANISM: Heterodera glycines  
; FEATURE:  
; OTHER INFORMATION: Coding regions on vcdna: vcdna=seqID\_60617; Strand=+; Position=1  
US-60-655-875-134194

Query Match 26.3%; Score 5; DB 8; Length 132;  
Best Local Similarity 100.0%; Pred. No. 76;

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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 14 ACNGC 18
Db 58 ACNGC 62

RESULT 14
US-11-027-399-3795
; Sequence 3795, Application US/11027399
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-015
; CURRENT APPLICATION NUMBER: US/11/027,399
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 3795
; LENGTH: 146
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-027-399-3795

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RESULT 15
US-11-027-843-3795
; Sequence 3795, Application US/11027843
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-024
; CURRENT APPLICATION NUMBER: US/11/027,843
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 3795
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; LENGTH: 146
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-027-843-3795

Query Match 26.3%; Score 5; DB 7; Length 146;
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Db 69 NSSNY 73

Search completed: March 26, 2005, 17:41:18
Job time : 22.7321 secs
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